Sensor Field Data Tables

List of Acronyms

Acronym	Meaning
MR	Sensor is manually reset after an alarm
MSA	Mine Safety Appliances
NA	Not applicable to the sensor being tested
NP	Not programmed for pump shut-down
NT	Not tested
PSD	Pump shut-down
Rec	Recovery time (in seconds)
Resp	Response time (in seconds)
UDC	Under-dispenser containment
Unk	Unknown. Data was unavailable

List of Definitions

Term	Definition
Flip Test	Sensor was tested by flipping it over
Heights	All liquid levels are reported in inches
High Test	High-level water testing
Low Test	Low-level water testing. For single-level
	sensors tested in water, test data will be
	recorded in this column
Product	Sensor was tested in product
Site ID #200	The 67 sensors tested during Phase I (Veeder-
	Root discriminating sensors) are included in
	this database under Site ID# 200
Times	All response and recovery times are reported
	in seconds

TABLE 1 - Summary of All Failures

Make Site ID / Model	Discriminating	At Low Point	Wired Properly	Flip Test Result	Flip PSD	Low Test Result	Low PSD	High Test Result	High PSD	Product Result	Product PSD	After testing sensor was
Alpha wire												
92 Unk	✓	Yes	Yes	Fail	NP	NT	NT	NA	NA	NT	NT	Re-Installed
Beaudreau												
82 406		No	Yes	NA	NA	NT	NT	NA	NA	NT	NT	Unk
10 406 Led indicator light was wo	rking on sensor, indi	Yes cating that the	Yes e wiring was pro	NA operly connected.	NA Sensor was rein	Fail stalled, meaning local	NA agency has to for	NA ollow up.	NA	NT	NT	Re-Installed
10 406 Led indicator light was wo	rking on sensor, indi	Yes cating that the	Yes e wiring was pro	NA operly connected.	NA Sensor was rein	Fail stalled, meaning local	NA agency has to fo	NA ollow up.	NA	NT	NT	Re-Installed
10 406 Led indicator light was wo	rking on sensor, indi	Yes cating that the	Yes e wiring was pro	NA operly connected.	NA Sensor was rein	Fail stalled, meaning local	NA l agency has to fo	NA ollow up.	NA	NT	NT	Re-Installed
Gilbarco												
28 PA02591144000 Sensors was replaced by co	ontractor two days af	Yes ter the inspect	Yes tion.	Fail	NP	NT	NT	NA	NA	NT	NT	Replaced
28 PA02592000000 Sensors was replaced by co	ontractor two days af	Yes ter the inspect	Yes tion and positive	Fail e shut down was	No rewired.	NT	NT	NA	NA	NT	NT	Replaced
28 PA02592000000 Sensors was replaced by co	ontractor two days af	Yes ter the inspect	Yes tion and positive	Fail e shut down was	No rewired.	NT	NT	NA	NA	NT	NT	Replaced
98 PA02592000010 3-4 inches of water on both	sides of sump (low	No spots of tank	Yes top).	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Installed
98 PA02592000010 2-3 inches of water on both	sides of sump (low	No spots of tank	Yes top).	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Installed
24 PA02592000010 Relay was stuck, so the PS	D failed when tested	Yes . It passed wh	Yes hen re-tested.	Fail	No	NT	NT	NA	NA	NT	NT	Repaired
Incon												
16 TSP-ULS Sensor was turned off when	n technician conduct	No ed the test. So	No ensor appears to	NT have been turne	NT d due to water in	NT the UDC. After turni	NT ng the sensor on	Fail , it passed.	Yes	NT	NT	Repaired
35 TSP-ULS The sump was full of diese	l approximately 9 1/2	No 2 inches deep	Yes . The sensor wa	Pass as set at the top of	Yes f the sump to avo	NT id alarming.	NT	NA	NA	NT	NT	Re-Installed
Mallory Controls	S											
J												

Make Site ID / Model	Discriminating	At Low Point	Wired Properly	Flip Test Result	Flip PSD	Low Test Result	Low PSD	High Test Result	High PSD	Product Result	Product PSD	After testing sensor was
92 Pollulert MD 241RR A		Yes business.So,	Yes owner might ha	NA ve to change the	NA system. Inspector	NT r gave the owner two w	NT veeks to fix it or	NA replace It.	NA	Fail	No	Unk
MSA												
17 Tankgard 482607 Sensor initially turned off. A		No turned off d	No ue to product in	NA n the sump. Sens	NA sor worked when	NT turned on; sensor not a	NT t lowest point - a	NA about 8" above	NA	Fail	Yes	Repaired
17 Tankgard 482607 Had to leave site before witne		Yes e-installation	Yes of sensor.	NA	NA	NT	NT	NA	NA	Fail	No	Unk
Red Jacket												
20 Liquid Refraction Sen Sensor has been pulled up du		No ne fill/vapor s	Yes sump.	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
Ronan												
20 LS-3 densor appears to be good du		No st, but appear	Yes rs not to be hool	Fail ked up to the cor	No ntrol panel.	NT	NT	NA	NA	NT	NT	Unk
47 LS-3 ensor would not come out of		Yes . Pump wou	No ld not come on.	Fail Contractor repa	Yes nired the facility. I	NT Problem was wiring ins	NT side the building	NA s, near the contr	NA rol panel.	NT	NT	Repaired
20 LS-3 ensor appeared to be function		Yes n tested for c	No ontinuity, but d	Fail id not activate a	No n alarm at the pan	NT el. Tech suspects prob	NT lem with wiring	NA between senso	NA or and pane	NT d.	NT	Unk
32 LS-3 loat was stuck. Technician h		Yes osen it, then	Yes sensor went into	Fail alarm.	NP	NT	NT	NA	NA	NT	NT	Repaired
1 LS-7 The sensor could not be taken		No erstice; there	Yes fore the sensor	Pass was activated wi	NP thin the tank.	NT	NT	NA	NA	NT	NT	Re-Installed
Jniversal												
94 LALS-1 Contractor waited for 2 minut		Yes response, bu	Yes t never did. Ser	Fail nsor had to be re	NA placed.	NT	NT	NA	NA	NT	NT	Unk
95 LALS-1 ensor was not tested because		Yes interstitial s	Yes pace.	NA	NA	Fail	No	NA	NA	NT	NT	Unk
94 LAVS-1		Yes	Yes	NA	NA	Fail	No	NA	NA	NT	NT	Unk
Veeder-Root												
85 794380-208 he contractor decided to stop		No after it failed	Yes to respond for	Fail more than 2 mir	No nutes and replace i	NT t with a new sensor.	NT	NA	NA	NT	NT	Replaced
10 794380-208 larm activated at the control at the PSD is functioning pr	l panel, but no pum	No p shutdown.	Yes (printer said p	Fail ump shutdown o	No ccurred, but pump	NT continued to run. Pic	NT ture of sensor is	NA s site 7 #2.). Fol	NA llow up wa	NT as done on th	NT is site and In	Re-Installed spector confirme
All times are recorded in	seconds heights	are record	ed in inches						nnendiv	VI Table	1, Page 2 of	£6

91 794380-208	No product line (No product line (No nd re-set it to No product line (No product line (No nd re-set it to No nd re-set it to	Yes (to prevent the flap) Yes (to prevent the flap) Yes o shut down the pur Yes (to prevent the flap) Yes o shut down the pur Yes o shut down the pur Yes o shut down the pur	NT per from shutting of NT per from shutting of NT mp. NT per from shutting of NT mp. NT mp. NT mp. NT mp. NT mp. NT	NT down the flow) NT down the flow) NT NT	Pass Pass Pass Pass ost of sensors timed of Pass Pass Pass Pass Pass Pass	Yes Yes	NA NA NA NA had to go and NA NA	NA NA NA NA NA NA NA NA	NT NT NT Shut down the	NT	Re-Installed Re-Installed Re-Installed Re-Tested Re-Installed Re-Tested Re-Tested Re-Tested
Fill bucket was detached. Stick was in the 91 794380-208 Fill bucket was detached. Stick was in the 91 794380-208 Sensor timed out & Technician had to go a 91 794380-208 Fill bucket was detached. Stick was in the 91 794380-208 Sensor timed out & Technician had to go a 91 794380-208 Sensor timed out & Technician had to go a 91 794380-208 Sensor timed out & Technician had to go a 42 794380-208 Contains a substantial amount of water. 76 794380-208 73 794380-208 Sensor was raised about 4 inches from the 33 794380-208 33 794380-208	No product line of No nd re-set it to No nd re-set	Yes O shut down the pur	NT per from shutting of NT per from shutting of NT mp. NT per from shutting of NT per from shutting of NT mp. NT mp. NT mp. NT mp.	down the flow) NT down the flow) NT NT NT NT NT NT NT	Pass Pass Ost of sensors timed of Pass Pass Pass Pass	Yes Yes Yes Yes Yes Yes Yes Yes	NA NA NA had to go and NA NA	NA NA NA NA NA NA	NT NT NT shut down th NT NT	NT NT NT ne pump. NT NT	Re-Installed Re-Installed Re-Installed Re-Tested Re-Tested
Fill bucket was detached. Stick was in the 91 794380-208	No nd re-set it to No product line (No nd re-set it to	Yes o shut down the pur	per from shutting of NT mp. NT per from shutting of NT mp. NT mp. NT mp. NT mp.	down the flow) NT NT down the flow). Mo NT NT NT	Pass Pass ost of sensors timed of Pass Pass Pass	Yes Yes ut & Technician Yes Yes Yes	NA NA had to go and NA NA	NA NA re-set it to	NT NT shut down th NT NT	NT NT ne pump. NT NT	Re-Tested Re-Installed Re-Tested Re-Tested
ensor timed out & Technician had to go a sill bucket was detached. Stick was in the 91 794380-208 ensor timed out & Technician had to go a 91 794380-208 ensor timed out & Technician had to go a 91 794380-208 ensor timed out & Technician had to go a 91 794380-208 ensor timed out & Technician had to go a 91 794380-208 ensor timed out & Technician had to go a 91 794380-208 ensor timed out & Technician had to go a 91 794380-208 ensor timed out & Technician had to go a 91 794380-208 ensor timed out & Technician had to go a 91 794380-208 ensor was raised about 4 inches from the 91 794380-208 ensor was raised about 4 inches from the 91 794380-208 ensor was 79	No product line No nd re-set it to	Yes O shut down the pur	mp. NT per from shutting of the shutting of t	NT down the flow). Mo NT NT NT	Pass Ost of sensors timed of Pass Pass Pass	Yes ut & Technician Yes Yes Yes	NA had to go and NA NA	NA re-set it to a NA	NT shut down th NT NT	NT ne pump. NT	Re-Installed Re-Tested Re-Tested
ill bucket was detached. Stick was in the 91 794380-208	No nd re-set it to No nd re-set it to No nd re-set it to	Yes o shut down the pur	per from shutting on NT mp. NT mp. NT mp.	down the flow). Mo NT NT NT	Pass Pass Pass	Yes Yes Yes	NA NA	NA NA	NT NT	NT NT	Re-Tested Re-Tested
ensor timed out & Technician had to go a 91	No No No No nd re-set it to	Yes o shut down the pur Yes o shut down the pur Yes o shut down the pur	mp. NT mp. NT	NT NT	Pass Pass	Yes Yes	NA	NA	NT	NT	Re-Tested
ensor timed out & Technician had to go a 91	No nd re-set it to	Yes o shut down the pur	MP. NT mp.	NT	Pass	Yes					
2	nd re-set it to	shut down the pur	mp.				NA	NA	NT	NT	Re-Tested
76 794380-208	No	Yes	Pass	NP	NT	NIT					
73 794380-208						NT	NA	NA	NT	NT	Re-Installed
ensor was raised about 4 inches from the 33	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
33 794380-208	No bottom of the	Yes e sump.	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
33 794380-208	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
33 794380-208	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
33 794380-208	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
33 794380-208	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
79 794380-208	No oine pump.	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
79 794380-208 Oduct is leaking out of the top of the turl	No oine pump.	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
79 794380-208	No oine pump	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed

Make Site ID / Model	Discriminating	At Low Point	Wired Properly	Flip Test Result	Flip PSD	Low Test Result	Low PSD	High Test Result	High PSD	Product Result	Product PSD	After testing sensor was
42 794380-208 The sensor was not located at	the lowest point in	No n the tank. Te	Yes chnician lowered	Pass I it and activetd a	Yes n alarm.	NT	NT	NA	NA	NT	NT	Re-Installed
76 794380-208		No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
62 794380-208 -3 gallons of product in the s	sump. Sensor was	No raised above	Yes the product leve	Pass l. Sensor in pump	NP o sump was not	NT programmed to shut do	NT own pump.	NA	NA	NT	NT	Re-Installed
62 794380-208 -3 gallons of product in the s	sump. Sensor was	No raised above	Yes the product leve	Pass l. Sensor in pump	NP sump was not	NT programmed to shut do	NT own pump.	NA	NA	NT	NT	Re-Installed
42 794380-208		No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
85 794380-208 here was a hole in the sump, 2 psi. Fill sump is not clean.		No 1/2" diam. Ele	Yes ctrical wiring be	Pass elow penetration l	Yes ines. Hydrostati	NT c test was performed to	NT the highest per	NA netration lines a	NA at 16 minut	NT es per cycle.	NT Test at 16 psi	Re-Installed and fail if below
10 794380-208 sensors, 1 raised in sump an	nd the other was a	No the lowest poi	Yes nt. Both respon	Pass ded and activated	Yes pump shut off.	NT Picture of sensor was	NT taken.	NA	NA	NT	NT	Re-Installed
88 794380-208 echnician waited for over 2	minutes, but senso	Yes r did not aları	Yes n. Finally inspec	Fail etor decided to cal	No If the test off and	NT d replace the sensor. T	NT esting was done	NA e on the new ser	NA nsor and it	NT passed.	NT	Replaced
200 794380-341	✓	Unk	Unk	NA	NA	Unk	Unk	NA	NA	Fail	Unk	Unk
200 794380-341	✓	Unk	Unk	NA	NA	Unk	Unk	NA	NA	Fail	Unk	Unk
19 794380-341 eplaced with same type of se	ensor.	Yes	Yes	NA	NA	NT	NT	NA	NA	Fail	No	Replaced
38 794380-341 ensor was tested with both u	✓ unleaded gasoline a	Yes and waste oil.	Yes Both cases, water	NA er alarms were ob	NA served. Sensor	NT was not approved for us	NT se in waste oil.	NA After testing, s	NA ensor was	Fail replaced and	NA it passed the	Replaced product test.
38 794380-341 ensor sets water alarm for pr	roduct test After t	Yes	Yes	NA Land the new sens	NA sor was setting t	Pass	NA	NA	NA	Fail	No	Replaced
38 794380-341 ensor sets water alarm for pr	✓	Yes	Yes	NA	NA	Pass	NA	NA	NA	Fail	No	Replaced
64 794380-341 etected product as water. S	ince pump shuts de	Yes own for produ	Yes ct or water, Loc	NA al Agency did not	NA require sensor	Pass to be changed. Owner	Yes will replace ser	NA nsor or re-progr	NA am as non-	Fail discriminati	Yes ng.	Unk
77 794380-341 echnician had to clean the se	ensor with a rag co	Yes empletely (esp	Yes ecially in the sm	NA all window at sen	NA nsor's center) be	Pass fore fuel could be detec	Yes eted. After clea	NA ning sensor did	NA detect fue	Fail l.	Yes	Repaired
64 794380-341 etected product as water. Se	ince pump shuts de	Yes own for produ	Yes ct or water, Loc	NA al Agency did not	NA require sensor	Pass to be changed. Owner	Yes will replace ser	NA nsor or reprogra	NA am as non-c	Fail liscriminatin	Yes	Unk
77 794380-341 echnician had to clean the so	ensor with a rag co	Yes empletely (esp	Yes ecially in the sm	NA all window at sen	NA nsor's center) be	Pass fore fuel could be detec	Yes eted. After clea	NA ning sensor did	NA detect fue	Fail l.	Yes	Repaired
77 794380-341 echnician had to clean the se	ensor with a rag co	Yes ompletely (esp	Yes ecially in the sm	NA nall window at sen	NA asor's center) be	Pass fore fuel could be detec	Yes eted. After clea	NA ning sensor did	NA detect fue	Fail l.	Yes	Repaired
All times are recorded in										VI Table	1 D 4 C	

Make Site ID / Model	Discriminating	At Low Point	Wired Properly	Flip Test Result	Flip PSD	Low Test Result	Low PSD	High Test Result	High PSD	Product Result	Product PSD	After testing sensor was
84 794380-350 Sensor did not come out of al	✓ arm after being tes	Yes ted in produc	Yes et, so technician	NA replaced it.	NA	Pass	NA	Pass	Yes	Fail	Yes	Replaced
84 794380-350 Fechnician suspected a proble	em with the wiring	Yes at this site.	Unk	NA	NA	Pass	NA	Fail	No	Fail	No	Re-Installed
84 794380-350 Sensor alarmed, but failed PS	D. Problem with t	Yes he relay is su	Unk spected.	NA	NA	Pass	NA	Fail	No	Fail	No	Re-Installed
84 794380-350 Sensor did not respond during	thigh water or pro	Yes duct testing.	No Technician susp	NA pected wiring pro	NA oblem, since sense	Pass or was replaced but test	NA t results did not	Fail change.	No	Fail	No	Replaced
22 794380-352 Sensor's low float did not acti functinality.	vate (would not re	No set). Sensor v	Yes was replaced by	NT the owner witho	NT ut informing the l	Fail ocal agnecy nor the cor	No ntractor who do	Pass es the routine in	Yes aspection.	NT Apparently,	NT they did not 1	Re-Installed retest sensor's
200 794380-352	✓	Unk	Unk	NT	NT	Unk	Unk	Pass	Unk	Fail	Unk	Unk
200 794380-352	✓	Unk	Unk	NT	NT	Unk	Unk	Pass	Unk	Fail	Unk	
82 794380-352 Viring malfunctioning.	✓	Yes	No	NT	NT	NT	NT	NT	NT	NT	NT	Unk
82 794380-352 Wiring malfunctioning.	✓	Yes	No	NT	NT	NT	NT	NT	NT	NT	NT	Unk
65 794390-205 Sump had oil in it. Sensor wa	s raised above the	No oil, but alarn	Yes ned when techni	NT cian lowered it i	NT nto the oil. Contr	NT actor was notified to p	NT ump out the oil	NA that day.	NA	Pass	NA	Re-Installed
46 794390-205 Sensor was raised approxima	ely 1 foot from bo	No ttom of the si	Yes ump.	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
29 794390-407 The sensor was located at the was done & sensor was repair		No the access po	No ort. The pull-stri	NT ng was broken.	NT Inspector said ser	NT nsor must be fixed imm	NT nediately. The s	NA ensor was not f	NA unctionally	NT tested durin	NT ng this inspec	Repaired tion. Afollow up
73 794390-407 Sensor would not go into alar	m until the techici	Yes an shook it vi	Yes gorously. Float	Fail was stuck. Inte	NP rstice was moist, l	NT out not enough liquid to	NT o activate an ala	NA rm.	NA	NT	NT	Repaired
73 794390-407 Sensor would not go into alar	m until the techici	Yes an shook it vi	Yes gorously. Float	Fail was stuck.	NP	NT	NT	NA	NA	NT	NT	Repaired
81 794390-409 Sensor was wedged between	he primary and se	Unk condary tank	Unk walls and canno	Fail ot be removed to	NP verify sensor type	NT e. Alarm was not set at	NT the control pane	NA el by pulling it	NA like the pre	NT evous two ta	NT nks.	Re-Installed
81 794390-409 Jensor was wedged between If knowing when sensor was		Unk condary tank	Yes walls and canno	Fail ot be removed to	NP verify sensor type	NT e. Alarm was set at the	NT control panel by	NA y pulling it. The	NA e response	NT time was est	NT imated becau	Re-Installed use there was no wa
51 794390-420 The sensor was missing the fl	oat. Follow up wa	NA s made with l	Yes ocal agency and	Fail confirmed that	NP the technician rep	NT aired the sensor. Howe	NT ver, inspector d	NA id not peform re	NA e-inspectio	NT n.	NT	Unk

Make Site ID / Model	Discriminating	At Low Point	Wired Properly	Flip Test Result	Flip PSD	Low Test Result	Low PSD	High Test Result	High PSD	Product Result	Product PSD	After testing sensor was
55 794390-420 This sensor is for steel tanks.		No rapped arour	Yes and the FG tank.	Pass Local agency ins	NP structed owner to	NT replace.	NT	NA	NA	NT	NT	Unk
89 794390-420 Interstitial space is full of wa		No d not put bac	Yes ck the sensor w	Pass ithout calling the	Yes maintenance to r	NT emove water. Sensor w	NT as not at lowest	NA point and wire	NA was wrap	NT ped up.	NT	Re-Installed
99 794390-420 Waste oil contained oil/water		No mp. The sens	No sor was not loca	Pass ted in the lowest	NP point.	NT	NT	NA	NA	NT	NT	
89 794390-420		No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
23 794390-420 Original sensor was stuck in		Yes se of rust on	Yes casing; sensor v	Fail was replaced. Ne	NP w sensor passed	NT test.	NT	NA	NA	NT	NT	Replaced
Warrick Controls												
7 DLP-1-NC Sensor was sitting in water a		Yes ntractor shoo	Yes ok sensor and flo	Fail oat moved activat	NP ing the alarm. Se	NT ensor passed retest after	NT r 1-2 second ala	NA rm response.	NA	NT	NT	Re-Tested

TABLE 2 - Field Data for Non-Discriminating Sensor

Sensor	Panel	Panel	At Low	Wiring	Condition		Liquid Testing Resp Rec Alarm PSD Result					F	lip Testing	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD 1	Result	Resp	Rec	Alarm	PSD	Result
Sensor M	ake: Beau	dreau													
ensor Model	: 404			Operation	ng Principle: Float Sv	vitch									
UDC	Veeder-Root	TLS-300	Yes	Yes	Clean/Dry	3	1	Product	N/	A Pass	NT	NT	NT	NT	NT
ensor Model	: 406			Operation	ng Principle: Optical										
UDC Sensor shuts off p	Beaudreau bower to dispenser	404-4 Cut-off	Yes	Yes	Clean/Dry	1	2	Both	N/	A Pass	NA	NA	NA	NA	NA
UDC Sensor shuts off p	Beaudreau power to dispenser	404-4 Cut-off	Yes	Yes	Clean/Dry	1	2	Both	N/	A Pass	NA	NA	NA	NA	NA
UDC Sensor shuts off p	Beaudreau power to dispenser	404-4 Cut-off	Yes	Yes	Clean/Dry	2	2	Both	N/	A Pass	NA	NA	NA	NA	NA
UDC Sensor shuts off p	Beaudreau power to dispenser	404-4 Cut-off	Yes	Yes	Clean/Dry	2	2	Both	N/	A Pass	NA	NA	NA	NA	NA
UDC Sensor shuts off p	Beaudreau power to dispenser	404-4 Cut-off	Yes	Yes	Clean/Dry	2	2	Both	N/	A Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	No	Yes	Debris	NT	NT	NT	NT	T NT	NA	NA	NA	NA	NA
UDC Led indicator ligh	Beaudreau at was working on	404-4 Cut-off sensor, indicating	Yes that the wiring	Yes g was properly	Clean/Dry connected. Sensor was re		NA ning loca	None al agency ha	NA us to follo		NA	NA	NA	NA	NA
UDC Led indicator ligh	Beaudreau at was working on	404-4 Cut-off sensor, indicating	Yes that the wiring	Yes g was properly	Clean/Dry connected. Sensor was re	None einstalled, mea		None al agency ha	NA s to follo		NA	NA	NA	NA	NA
UDC Led indicator ligh	Beaudreau at was working on	404-4 Cut-off sensor, indicating	Yes that the wiring	Yes g was properly	Clean/Dry connected. Sensor was re		NA ning loca	None al agency ha	NA us to follo		NA	NA	NA	NA	NA
UDC Sensor shuts off p	Beaudreau power to dispenser	404-4 Cut-off	Yes	Yes	Clean/Dry	1	2	Both	N.A	A Pass	NA	NA	NA	NA	NA
UDC The sensor was te	Beaudreau ested in a cup for to	404-4 Cut-off otal darkness and s	Yes shut off the val	Yes lve at the dispe	Clean/Dry enser.	1	1	Both	N/	A Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	2	5	Both	N/	A Pass	NA	NA	NA	NA	NA
UDC Debris and dust a	Beaudreau ccumulated over th	404-4 Cut-off ne years.	Yes	Yes	Debris	NT	NT	NT	NT	T NT	NA	NA	NA	NA	NA

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ting			F	lip Testing	9	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	sult	Resp	Rec	Alarm	PSD	Result
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	15	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC Sensor failed testi	Beaudreau ing 6 weeks earlier.	404-4 Cut-off Technician repla	Yes aced control m	Yes nodule (located	Clean/Dry under dispenser) and no	1 ow sensor worked	1	Both	Yes	Pass	NA	NA	NA	NA	NA
UDC Sensor failed testi	Beaudreau ing 6 weeks earlier.	404-4 Cut-off Technician repla	Yes aced control m	Yes nodule (located	Clean/Dry under dispenser) and no	l ow sensor worked	1	Both	Yes	Pass	NA	NA	NA	NA	NA
UDC Sensor failed testi	Beaudreau ing 6 weeks earlier.	404-4 Cut-off Technician repla	Yes aced control m	Yes nodule (located	Clean/Dry under dispenser) and no	l ow sensor worked	1	Both	Yes	Pass	NA	NA	NA	NA	NA
UDC Sensor failed testi	Beaudreau ing 6 weeks earlier.	404-4 Cut-off Technician repla	Yes aced control m	Yes nodule (located	Clean/Dry under dispenser) and no	1 ow sensor worked	1	Both	Yes	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA

Sensor Make: Emco

Sensor Mode	l: Q0003-006			Operatin	g Principle: Op	otical									
Tank Interstice	Emco	EECO 3000	Yes	Yes	Clean/Dry	60	60	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Emco	EECO 3000	Yes	Yes	Clean/Dry	60	60	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Emco	EECO 3000	Yes	Yes	Clean/Dry	60	60	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Emco	EECO 3000	Yes	Yes	Clean/Dry	60	60	Product	NA	Pass	NA	NA	NA	NA	NA
Sensor Mode	I: Q0003-010			Operatin	g Principle: Op	otical									
Pump Sump ~8 oz water in cu	Emco Wheaton up; panel did not su	Leak Sensor II pport ATG, only go	Yes ood for ope	Yes en/close sensor res	Clean/Dry sponse; pressure ope	NT erating principle?	NT	NT	NT	NT	NA	NA	NA	NP	NA
Tank Interstice ~8 oz water in cu	Emco Wheaton up; panel did not su	Leak Sensor II pport ATG, only go	Yes ood for ope	Yes en/close sensor res	Clean/Dry sponse; pressure ope	NT erating principle?	NT	NT	NT	NT	NA	NA	NA	NA	NA

Sensor Make: Gilbarco

Sensor Model: PA02591144000 Operating Principle: Float Switch

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ing				F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD	Res	ult	Resp	Rec	Alarm	PSD	Result
Pump Sump Sensor is Gilbarco	Gilbarco equivalent of VI	EMC R model -208.	Yes	Yes	Clean/Dry	NT	NT	NT	N	lТ	NT	5	5	Product	Yes	Pass
Pump Sump Sensor is Gilbarco	Gilbarco o equivalent of VI	EMC R model -208.	Yes	Yes	Clean/Dry	NT	NT	NT	N	lТ	NT	5	5	Product	Yes	Pass
Pump Sump Sensor is Gilbarco	Gilbarco o equivalent of VI	EMC R model -208.	Yes	Yes	Clean/Dry	NT	NT	NT	N	lТ	NT	5	5	Product	Yes	Pass
Tank Interstice Unable to remove	Gilbarco and observe was	EMC te oil UST overfil	Yes l sesor. Technic	Yes cian was able t	Clean/Dry o to activate sensor withir	NT the tank.	NT	NT	N	ЛТ	NT	360	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	lТ	NT	720	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	ЛТ	NT	1	1	Product	NP	Pass
Tank Interstice Mid-grade and Pro	Gilbarco emium share the s	EMC same annular space	Yes ee; some conder	Yes nsation; sensor	Clean/Dry casing split.	NT	NT	NT	N	ЛТ	NT	720	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	JТ	NT	1	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	lТ	NT	1	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	lТ	NT	1	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	lТ	NT	1	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	ΙΤ	NT	1	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	lТ	NT	1	1	Product	NP	Pass
Tank Interstice Sensors was repla	Gilbarco ced by contractor	EMC two days after the	Yes e inspection.	Yes	Clean/Dry	NT	NT	NT	N	NT	NT	None	NA	None	NP	Fail
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	lТ	NT	1	1	Product	NP	Pass
Tank Interstice This was a two-co	Gilbarco ompartment tank (EMC midgrade and pre	Yes mium). The ca	Yes sing of the ser	Clean/Dry asor was split and took the	NT form of a bell.	NT	NT	N	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	JТ	NT	5	5	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	8	5	Product	N	ΙA	Pass	NT	NT	NT	NT	NT
Tank Interstice Soil in the access	Gilbarco area for this senso	EMC or was stained dar	Yes k with diesel fu	Yes nel from unkno	Clean/Dry own source. Possibly over	9 fill or surface w	5 vater ing	Product ress.	N	ΙA	Pass	NT	NT	NT	NT	NT
Tank Interstice Alarm was set dur	Veeder-Root ring the removal of	TLS-350 of the sensor from	Yes the tank interst	Yes ice. Sensor wa	Water as also covered with dirty		NT	NT	N	ЛТ	NT	Unk	Unk	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	lТ	NT	1	1	Product	NP	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		Li	iquid Test	ting			F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD 1	Result	Resp	Rec	Alarm	PSD	Resul
Tank Interstice Sensor is Gilbarce	Gilbarco o equivalent of VI	EMC R model -420.	Yes	Yes	Clean/Dry	NT	NT	NT	N	г нт	5	5	Product	NP	Pass
Tank Interstice Sensor is Gilbarc	Gilbarco o equivalent of VI	EMC R model -420.	Yes	Yes	Clean/Dry	NT	NT	NT	N	Γ NT	5	5	Product	NP	Pass
Tank Interstice Sensor is Gilbarc	Gilbarco o equivalent of VI	EMC R model -420.	Yes	Yes	Clean/Dry	NT	NT	NT	N	Γ NT	5	5	Product	NP	Pass
Sensor Model	: PA0259200	0000		Operati	ng Principle: Float Sw	itch									
Pump Sump LLD failed the 3	Gilbarco gph leak test. Nee	EMC ds replacement.	Yes	Yes	Clean/Dry	NT	NT	NT	N	Γ NT	840	5	Both	NP	Pass
Pump Sump Sensors was repla	Gilbarco aced by contractor	EMC two days after th	Yes e inspection and	Yes d positive shu	Clean/Dry t down was rewired.	NT	NT	NT	N	г нт	5	5	Product	No	Fail
Pump Sump Sensors was repla	Gilbarco aced by contractor	EMC two days after th	Yes e inspection and	Yes d positive shu	Clean/Dry t down was rewired.	NT	NT	NT	N	Γ NT	5	5	Product	No	Fail
Pump Sump	Gilbarco	EMC	Yes	Yes	Product	NT	NT	NT	N	Γ NT	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	Γ NT	10	1	Both	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N'	Γ NT	840	5	Both	NP	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N'	Γ NT	840	5	Both	NP	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N'	Γ NT	5	5	Product	Yes	Pass
Sensor Model	: PA0259200	0010		Operati	ng Principle: Float Sw	itch									
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	г пт	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	г пт	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Product	NT	NT	NT	N	г пт	10	1	Both	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Product	NT	NT	NT	N	г нт	10	1	Both	Yes	Pass
Pump Sump Relay was stuck,	Gilbarco so the PSD failed	EMC when tested. It p	Yes assed when re-t	Yes tested.	Product	NT	NT	NT	N	Γ NT	30	1	Both	No	Fail
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	г пт	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	г пт	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	Yes	Pass
	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N'	Γ ΝΤ	5	5	Product		Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		Li	quid Testi	ing			F	lip Testing	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	sult	Resp	Rec	Alarm	PSD	Result
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump 3-4 inches of wate	Gilbarco r on both sides of	EMC sump (low spots	No of tank top).	Yes	Water	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump Flip test used since	Gilbarco e cable was too sh	EMC nort to remove fro	Yes m sump for wa	Yes ter test.	Clean/Dry	NT	NT	NT	NT	NT	7	10	Product	Yes	Pass
Pump Sump 2-3 inches of wate	Gilbarco r on both sides of	EMC sump (low spots	No of tank top).	Yes	Water	8	8	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sensor Model:	PA02593000	000-2		Operatio	ng Principle: Float Sw	vitch									
Tank Interstice Pump shut down o	Gilbarco n high and low le	EMC evel alarms.	NA	Yes	Brine-Filled	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice Pump shut down o	Gilbarco n high and low le	EMC evel alarms.	NA	Yes	Brine-Filled	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT

Sensor Make: Incon

Sensor Model:	TS-ILS			Operati	ng Principle: Option	al									
Tank Interstice	Incon	1000ER	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Sensor Model:	TSP-HIS			Operati	ng Principle: Float	Switch									
Tank Interstice The sensor is Incon	Incon (double floats)	TS-1000 continuously monit	Yes ors the inter	Yes stitial space.It v	Brine-Filled was tested for both high	NT level and low le	NT vel alarms	NT	NT	NT	15	Unk	Product	NP	Pass
Tank Interstice	Incon	TS-1000	Yes	Yes	Brine-Filled	NT	NT	NT	NT	NT	10	Unk	Product	NP	Pass
Sensor Model:	TSP-ULS			Operati	ng Principle: Float	Switch									
Fill Sump The sump was full of	Incon of diesel approx	TS-1000 ximately 9 1/2 inches	No s deep. The	Yes sensor was set	Product at the top of the sump to	NT avoid alarming	NT	NT	NT	NT	1	15	Product	Yes	Pass
Fill Sump	Incon	TS-1000EFI	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Both	Yes	Pass
Pump Sump Small metal casing	Incon with holes at b	Unk ottom of sensor for l	Yes iquid to ente	Yes r; console had	Clean/Dry printer and ATG capabi	NT lity.	NT	NT	NT	NT	2	2	Both	NP	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Testi	ng			F	lip Testing	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD R	esult	Resp	Rec	Alarm	PSD	Result
Pump Sump	Incon	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Small metal casing	g with holes at b	ottom of sensor for	liquid to enter	; console had j	printer and ATG capability.										
Pump Sump	Incon	1000ER	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pump Sump	Incon	TS-1000	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	NP	Pass
This facility does i	not have a positi	ive shut-down featu	re.												
Pump Sump	Incon	TS-1000	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	NP	Pass
Pump Sump	Incon	TS-1000EFI	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	25	Unk	Both	Yes	Pass
Pump Sump	Incon	TS-1000	Yes	Yes	Water	NT	NT	NT	NT	NT	1	15	Product	Yes	Pass
Tank Interstice	Incon	1000ER	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tank Interstice	Incon	TS-1000	NA	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	15	Product	Yes	Pass
Tank Interstice	Incon	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Small metal casing	g with holes at b	ottom of sensor for	liquid to enter	; console had j	orinter and ATG capability.										
Tank Interstice	Incon	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Small metal casing	g with holes at b	ottom of sensor for	liquid to enter	; console had j	printer and ATG capability.										
UDC	Incon	TS-1000	Yes	Yes	Product	NT	NT	NT	NT	NT	1	15	Product	Yes	Pass
There was a substa	antial amount of	product in the UDO	C. There seem	ed to be a leak	in the piping under the dispe	enser. It was	s in alarn	on arrival.							
UDC	Incon	1000ER	No	No	Water	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sensor was turned	off when techni	ician conducted the	test. Sensor a	ppears to have	been turned due to water in t	the UDC. A	After turn	ing the sense	or on, it pa	issed.					

Sensor Make: MSA

Sensor Model:	Tankgard 48	2607		Operati	ng Principle: Then	mal Conductivity	7								
Pump Sump	MSA	Tankguard	Yes	Yes	Water	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Pump Sump Sensor initially turn	MSA ned off. Appears	Tankguard s to have been turne	No ed off due to	No product in the s	Water sump. Sensor worked v	NT when turned on;	NT sensor no	NT of at lowest poi	NT int - about	NT 8" above	NA	NA	NA	NA	NA
Pump Sump Had to leave site be	MSA fore witnessing	Tankguard removal or re-insta	Yes llation of ser	Yes nsor.	Clean/Dry	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Tank Interstice Sensor also is moni	MSA toring the preser	Tankguard	Unk	Unk the tank with th	Water e waste oil.	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Tank Interstice	MSA	Tankguard	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA

Sensor Make: Owens-Corning Tank

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ting			F	lip Testing	3	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD 1	Result	Resp	Rec	Alarm	PSD	Result
Sensor Model	: FHRB 810			Operation	ng Principle: Float Sw	vitch									
Tank Interstice This single sensor	Veeder-Root r monitors the regu	TLS-350 ılar-mid-premium	NA tanks; two rese	Yes ervoirs are use	Brine-Filled d (left and right) and both		NT ed for th	NT ne alarm to	N go off.	T NT	20	Unk	Both	NP	Pass
Sensor M	ake: Pern	ıAlert													
Sensor Model	: PSTV			Operatio	ng Principle: Float Sw	vitch									
Tank Interstice	Red Jacket	PPM 4000	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	3	Unk	Both	Yes	Pass
Sensor M	ake: Pnei	ımeractor													
Sensor Model	: LS 600LD			Operation	ng Principle: Float Sw	vitch									
Pump Sump Unknown sensor	Pneumeractor type, photo taken.	LC-1000 Flip test was don	Yes ne because sens	Yes or wiring prev	Clean/Dry ented removal of the senso		NT short).	NT	N	T NT	2	2	Product	Yes	Pass
Pump Sump Water in sumps w	Pneumeractor vas below level of	LC-1000 the sensor. Flip te	Unk est was done du	Yes e to wiring be	Water ing too short. No labels or		NT ne senso	NT r. Picture v	N was taken		2	Unk	Product	NP	Pass
Pump Sump	Pneumeractor	LC-1000	Unk	Yes	Water	NT	NT	NT	N	T NT	2	Unk	Product	NP	Pass
Sensor M	ake: Red	Jacket													
Sensor Model	: Liquid Refra	ction Sensor		Operation	ng Principle: Optical										
Fill Sump Sensor has been p	Red Jacket oulled up due to hi	PPM 4000 gh water in the fil	No l/vapor sump.	Yes	Water/Debris	NT	NT	NT	N'	T NT	2	Unk	Both	Yes	Pass
Sensor Model	: RE400-111-	5		Operation	ng Principle: Float Sw	vitch									
Pump Sump	Red Jacket	STL 1801	Yes	Yes	Clean/Dry	NT	NT	NT	N	NT	1	1	Both	NP	Pass
Pump Sump	Red Jacket	STL 1401	Yes	Yes	Clean/Dry	NT	NT	NT	N	NT	1	1	Both	NP	Pass
Pump Sump	Red Jacket	STL 1401	Yes	Yes	Clean/Dry	NT	NT	NT	N	NT	1	1	Both	NP	Pass
Pump Sump	Red Jacket	STL 1801	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	1	1	Both	NP	Pass
Pump Sump	Red Jacket	STL 1401	Yes	Yes	Clean/Dry	NT	NT	NT	N	NT	1	1	Both	NP	Pass
Pump Sump	Red Jacket	STL 1801	Yes	Yes	Clean/Dry	NT	NT	NT	N	NT NT	1	1	Both	NP	Pass
Samean Madal	: Unk			Operation	ng Principle: Float Sw	vitch									
Sensor Model															

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Tes	ting			F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD 1	Result	Resp	Rec	Alarm	PSD	Result
Sensor M	ake: Ron	an													
ensor Model:	: LS-3			Operation	ng Principle: Float Sw	vitch									
Fill Sump Float was stuck. T	Ronan echnician had to	X76S o shake it to loosen it	Yes t, then sensor	Yes went into aları	Clean/Dry n.	NT	NT	NT	N	Г NТ	1	1	Both	NP	Fail
Fill Sump	Ronan	X761VCS-3LXi	Yes	Yes	Clean/Dry	NT	NT	NT	N'	Γ ΝΤ	2	2	Product	Yes	Pass
Fill Sump	Ronan	X761VCS-3LXi	Yes	Yes	Clean/Dry	NT	NT	NT	N'	Г NТ	2	2	Product	Yes	Pass
Fill Sump	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	N'	г пт	1	1	Product	Yes	Pass
Fill Sump	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	N'	Γ ΝΤ	1	1	Product	Yes	Pass
Fill Sump Slight amount of v	Ronan water in fill sum	X76S p. Not enough to act	Yes tivate an alarn	Yes n.	Water	NT	NT	NT	N	Г МТ	1	1	Product	Yes	Pass
Fill Sump	Ronan	X761VCS-3LXi	Yes	Yes	Clean/Dry	NT	NT	NT	N'	Γ ΝΤ	2	2	Product	Yes	Pass
Fill Sump	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	N'	Г NТ	1	1	Both	NP	Pass
Fill Sump Sensor appears to	Red Jacket be good during	PPM 4000 a continuity test, but	No appears not t	Yes o be hooked u	Water/Debris p to the control panel.	NT	NT	NT	N	Г МТ	Unk	Unk	None	No	Fail
Monitoring Well Sensor is a custon	EBW n version of the	AutoStik Jr. 4 LS3-A. It is made of	Yes f stainless stee	Yes el and is resista	Backfill ant to the chemicals stored	NT in the system.	NT	NT	N	Г NТ	1	1	Product	NP	Pass
Monitoring Well Sensor is a custon	EBW n version of the l	AutoStik Jr. 4 LS3-A. It is made of	Yes f stainless stee	Yes el and is resista	Backfill ant to the chemicals stored	NT in the system.	NT	NT	N	Г МТ	1	1	Product	NP	Pass
Monitoring Well Sensor is a custon	EBW n version of the l	AutoStik Jr. 4 LS3-A. It is made of	Yes f stainless stee	Yes el and is resista	Backfill ant to the chemicals stored	NT in the system.	NT	NT	N	Г МТ	1	1	Product	NP	Pass
Monitoring Well Sensor is a custon	EBW n version of the	AutoStik Jr. 4 LS3-A. It is made of	Yes f stainless stee	Yes el and is resista	Backfill ant to the chemicals stored	NT in the system.	NT	NT	N	г нт	1	1	Product	NP	Pass
Monitoring Well Sensor is a custon	EBW n version of the	AutoStik Jr. 4 LS3-A. It is made of	Yes f stainless stee	Yes el and is resista	Backfill ant to the chemicals stored	NT in the system.	NT	NT	N	г нт	1	1	Product	NP	Pass
Monitoring Well Sensor is a custon	EBW n version of the	AutoStik Jr. 4 LS3-A. It is made of	Yes f stainless stee	Yes el and is resista	Backfill ant to the chemicals stored	NT in the system.	NT	NT	N	Г МТ	1	1	Product	NP	Pass
Monitoring Well Sensor is a custon	EBW n version of the	AutoStik Jr. 4 LS3-A. It is made of	Yes f stainless stee	Yes el and is resista	Backfill ant to the chemicals stored	NT in the system.	NT	NT	N	Γ ΝΤ	1	1	Product	NP	Pass
Monitoring Well Sensor is a custon	EBW n version of the	AutoStik Jr. 4 LS3-A. It is made of	Yes f stainless stee	Yes el and is resista	Backfill ant to the chemicals stored	NT in the system.	NT	NT	N	Г МТ	1	1	Product	NP	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		L_i	iquid Testi	ing			F	lip Testing	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	sult	Resp	Rec	Alarm	PSD	Resul
Pump Sump	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Ronan	X76S	Yes	Yes	Water	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Pump Sump Fail-safe was veri	Ronan fied operational.	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Pump Sump	Ronan	X76VS	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	1	Product	Yes	Pass
Pump Sump Fail-safe was veri	Ronan fied operational.	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Pump Sump	Ronan	X76S	Yes	No	Clean/Dry	NT	NT	NT	NT	NT	3	NA	Product	Yes	Fail
Sensor would not	come out of alar	m after testing. Pun	np would not	come on. Con	tractor repaired the facilit	y. Problem was	wiring ii	nside the bu	ilding, near	the contro	ol panel.				
Pump Sump	Ronan	X76S	Yes	Yes	Water	NT	NT	NT	NT	NT	1	1	Both	Yes	Pass
Pump Sump	Ronan	X76S	Yes	Yes	Water	NT	NT	NT	NT	NT	1	1	Both	Yes	Pass
Pump Sump Fail-safe was veri	Ronan fied operational.	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Pump Sump Sensor appeared t	Red Jacket to be functional w	PPM 4000 when technician tester	Yes ed for continu	No ity, but did no	Water t activate an alarm at the p	NT panel. Tech sus	NT pects pro	NT blem with v	NT viring betwe	NT een sensor	none and panel.		None	No	Fail
D C															
Pump Sump This site has a suc	Ronan system and a	Unk a tank sump.	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Unk	NP	Pass
1 1			Yes	Yes	Clean/Dry	NT NT	NT NT	NT NT	NT NT	NT NT	2	2	Unk	NP Yes	
This site has a suc Pump Sump Pump Sump	Ronan Red Jacket	a tank sump. X761VCS-3LXi PPM 4000	Yes Yes	Yes Yes		NT NT	NT NT	NT NT	NT NT						Pass
This site has a suc Pump Sump Pump Sump	Ronan Red Jacket	a tank sump. X761VCS-3LXi PPM 4000	Yes Yes	Yes Yes	Clean/Dry Clean/Dry	NT NT	NT NT	NT NT	NT NT	NT	2	2	Product	Yes	Pass Pass
This site has a suc Pump Sump Pump Sump After follow up w	Ronan Red Jacket with local agency,	a tank sump. X761VCS-3LXi PPM 4000 inspector confirmed	Yes Yes I that the tech	Yes Yes nician replace	Clean/Dry Clean/Dry d fill sump sensor and rep	NT NT laced the broke	NT NT n wire in	NT NT the monitor	NT NT	NT NT	2	2 Unk	Product Both	Yes	Pass Pass
Pump Sump Pump Sump Pump Sump After follow up w Pump Sump	Ronan Red Jacket with local agency, Ronan	a tank sump. X761VCS-3LXi PPM 4000 inspector confirmed X76LVC	Yes Yes I that the tech Yes	Yes Yes nician replace Yes	Clean/Dry Clean/Dry d fill sump sensor and rep Clean/Dry	NT NT laced the broke	NT NT n wire in	NT NT the monitor	NT NT r.	NT NT	2 3	2 Unk	Product Both Product	Yes Yes	Pass Pass Pass
This site has a suc Pump Sump Pump Sump After follow up w Pump Sump Pump Sump	Ronan Red Jacket with local agency, Ronan Ronan Ronan	a tank sump. X761VCS-3LXi PPM 4000 inspector confirmed X76LVC X76LVC	Yes Yes I that the tech Yes Yes	Yes Yes nician replace Yes Yes	Clean/Dry Clean/Dry d fill sump sensor and rep Clean/Dry Clean/Dry	NT NT laced the broke	NT NT n wire in NT NT	NT NT the monitor NT NT	NT NT T. NT	NT NT NT	2 3 1 1	2 Unk 1	Product Both Product Product	Yes Yes Yes	Pass Pass Pass
Pump Sump Pump Sump After follow up w Pump Sump Pump Sump Pump Sump Pump Sump	Ronan Red Jacket vith local agency, Ronan Ronan Ronan	a tank sump. X761VCS-3LXi PPM 4000 inspector confirmed X76LVC X76LVC X76VS	Yes Yes I that the tech Yes Yes Yes	Yes Yes nician replace Yes Yes Yes	Clean/Dry Clean/Dry d fill sump sensor and rep Clean/Dry Clean/Dry Clean/Dry	NT NT laced the broker NT NT NT	NT NT n wire in NT NT NT	NT NT the monitor NT NT NT	NT NT NT NT NT	NT NT NT NT NT	2 3 1 1 2	2 Unk 1 1	Product Both Product Product Product	Yes Yes Yes Yes Yes	Pass Pass Pass Pass Pass
Pump Sump Pump Sump After follow up w Pump Sump Pump Sump Pump Sump Pump Sump Pump Sump	Ronan Red Jacket vith local agency, Ronan Ronan Ronan Ronan	a tank sump. X761VCS-3LXi PPM 4000 inspector confirmed X76LVC X76LVC X76VS X76S	Yes Yes I that the tech Yes Yes Yes Yes Yes	Yes Yes nician replace Yes Yes Yes Yes	Clean/Dry Clean/Dry d fill sump sensor and rep Clean/Dry Clean/Dry Clean/Dry Water	NT NT laced the broke NT NT NT NT NT NT	NT NT n wire in NT NT NT NT NT	NT NT the monitor NT NT NT NT NT	NT NT NT NT NT NT NT	NT NT NT NT NT NT NT	2 3 1 1 2	2 Unk 1 1 1 2	Product Both Product Product Product Both	Yes Yes Yes Yes NP	Pass Pass Pass Pass Pass Pass Pass
Pump Sump Pump Sump After follow up w Pump Sump	Ronan Red Jacket vith local agency, Ronan Ronan Ronan Ronan Ronan Ronan Ronan Ronan	a tank sump. X761VCS-3LXi PPM 4000 inspector confirmed X76LVC X76LVC X76VS X76S X76S X76S X76VS	Yes Yes I that the tech Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes nician replace Yes Yes Yes Yes Yes Yes Yes Yes	Clean/Dry Clean/Dry d fill sump sensor and rep Clean/Dry Clean/Dry Clean/Dry Water Water	NT NT laced the broke NT NT NT NT NT NT NT	NT NT n wire in NT NT NT NT NT NT NT NT NT	NT NT the monitor NT NT NT NT NT NT NT NT	NT	NT NT NT NT NT NT NT NT NT	2 3 1 1 2 1 2	2 Unk 1 1 1 2	Product Both Product Product Product Both Both	Yes Yes Yes Yes NP NP	Pass Pass Pass Pass Pass Pass Pass
Pump Sump Pump Sump After follow up w Pump Sump	Ronan Red Jacket vith local agency, Ronan Ronan Ronan Ronan Ronan Ronan Ronan Ronan	a tank sump. X761VCS-3LXi PPM 4000 inspector confirmed X76LVC X76LVC X76VS X76S X76S X76S X76VS	Yes Yes I that the tech Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes nician replace Yes Yes Yes Yes Yes Yes Yes Yes	Clean/Dry Clean/Dry d fill sump sensor and rep Clean/Dry Clean/Dry Clean/Dry Water Water Clean/Dry	NT NT laced the broke NT NT NT NT NT NT NT	NT NT n wire in NT NT NT NT NT NT NT NT NT	NT NT the monitor NT NT NT NT NT NT NT NT	NT	NT NT NT NT NT NT NT NT NT	2 3 1 1 2 1 2	2 Unk 1 1 1 2	Product Both Product Product Product Both Both	Yes Yes Yes Yes NP NP	Pass Pass Pass Pass Pass Pass Pass
Pump Sump Pump Sump After follow up w Pump Sump	Ronan Red Jacket vith local agency, Ronan Ronan	a tank sump. X761VCS-3LXi PPM 4000 inspector confirmed X76LVC X76LVC X76LVC X76VS X76S X76S X76S X76S upside-down, but no	Yes Yes I that the tech Yes Yes Yes Yes Yes Yes Yes Yes Ot in alarm. Se	Yes Yes nician replace Yes Yes Yes Yes Yes Yes Yes Yes Or A control of the contro	Clean/Dry Clean/Dry d fill sump sensor and rep Clean/Dry Clean/Dry Clean/Dry Water Water Clean/Dry Clean/Dry	NT NT laced the broker NT NT NT NT NT NT Tech re-install	NT NT n wire in NT NT NT NT NT NT NT NT ed sensor	NT NT the monitor NT NT NT NT NT NT T T T T T T T T T T	NT THerefore testing.	NT	2 3 1 1 2 1 2	2 Unk 1 1 2 2	Product Both Product Product Both Both Product	Yes Yes Yes Yes NP NP Yes	Pass Pass Pass Pass Pass Pass Pass Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Testi	ng			F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	sult	Resp	Rec	Alarm	PSD	Resul
Pump Sump	Ronan	X76S	Yes	Yes	Water	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Pump Sump	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Pump Sump	Ronan	X761VCS-3LXi	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Pump Sump	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Tank Interstice	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Red Jacket	PPM 4000	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	Unk	Both	Yes	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	11	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Sensor Model:	LS-30			Operati	ng Principle: Float S	witch									
Tank Interstice	Ronan	X76S	NA	Yes	Brine-Filled	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Tank Interstice	Ronan	X76S	NA	Yes	Brine-Filled	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Tank Interstice Ronan- LS-30 hyd	Ronan rostatic in gener	Unk rator tank.	NA	Yes	Unk	3	3	Water	NA	Pass	NT	NT	NT	NT	NT
Tank Interstice	Ronan	X76S	NA	Yes	Brine-Filled	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Tank Interstice	Ronan	X76S	NA	Yes	Brine-Filled	NT	NT	NT	NT	NT	2	2	Both	NP	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ing			F	lip Testinį	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Sensor Model:	LS-7			Operatii	ng Principle: Float Sw	vitch									
Tank Interstice Technician pulled	Ronan wire and pull str	X76S ing at the same tim	Yes ne. This lifts th	Yes e sensor off th	Clean/Dry e bottom of the tank inters	NT tice and allow	NT s the floa	NT t to fall, act		T NT the alarm.	1	1	Product	NP	Pass
Tank Interstice Technician pulled	Ronan wire and pull str	X76S ing at the same tim	Yes ne. This lifts th	Yes e sensor off th	Clean/Dry e bottom of the tank inters	NT tice and allow	NT s the floa	NT t to fall, act		T NT the alarm.	1	1	Product	NP	Pass
Tank Interstice Technician pulled	Ronan wire and pull str	X76S ing at the same tim	Yes ne. This lifts th	Yes e sensor off th	Clean/Dry e bottom of the tank inters	NT tice and allow	NT s the floa	NT t to fall, act		T NT the alarm.	1	1	Product	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	3	1	Product	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	3	1	Product	NP	Pass
Tank Interstice	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	4	4	Product	NP	Pass
Tank Interstice	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	1	1	Both	NP	Pass
Tank Interstice Alarm was activate	Ronan ed by shaking se	X76VS nsor while still in t	Yes ank interstice.	Yes	Clean/Dry	NT	NT	NT	N	T NT	1	1	Product	NP	Pass
Tank Interstice The sensor could r	Ronan not be taken out o	X76LVC of the tank interstic	No ce; therefore the	Yes e sensor was a	Clean/Dry ctivated within the tank.	NT	NT	NT	N	T NT	5	5	Product	NP	Pass
Tank Interstice Sensor had to be re	Ronan e-installed with a	X76VS fish-tape because	Yes the string was	Yes broken. This t	Clean/Dry ook the contractor about 1	NT hour.	NT	NT	N	T NT	1	1	Product	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	3	1	Product	NP	Pass
Tank Interstice	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	NP	Pass
Tank Interstice Alarm was activate	Ronan ed by shaking se	X76VS nsor while still in t	Yes ank interstice.	Yes	Clean/Dry	NT	NT	NT	N	T NT	1	1	Product	NP	Pass
Tank Interstice	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	3	3	Product	NP	Pass
Tank Interstice	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	1	1	Both	NP	Pass
Tank Interstice	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	1	1	Both	NP	Pass
Tank Interstice	Ronan	X76LVC	NA	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	NP	Pass
Tank Interstice Alarm was activate	Ronan ed by shaking se	X76VS nsor while still in t	Yes ank interstice.	Yes	Clean/Dry	NT	NT	NT	N	T NT	1	1	Product	NP	Pass
ensor Model:	Unk			Operatio	ng Principle: Float Sw	vitch									
Tank Interstice	Veeder-Root	TLS-300	NA	Yes	Clean/Dry	NT	NT	NT		T NT	2	2	Product	Yes	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		I	iquid Testin	g			F	lip Testin	\boldsymbol{g}	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm F	PSD Re	sult	Resp	Rec	Alarm	PSD	Result
Sensor Ma	ke: Uni	versal													
Sensor Model:	LALS-1			Operati	ng Principle: Therma	al Conductivity									
Fill Sump Sensor activates an	Universal audible alarm	Leak Alert LA-08 and shuts down pump	Yes p at the disper	Yes nser.	Clean/Dry	1	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA
Fill Sump Sensor activates an	Universal audible alarm	Leak Alert LA-08 and shuts down pump	Yes p at the disper	Yes nser.	Clean/Dry	1	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA
Piping Sump Sensor activates an	Universal audible alarm	Leak Alert LA-08 and shuts down pump	Yes p at the disper	Yes nser.	Clean/Dry	1	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NA	NA
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	3	2	Water	Yes	Pass	NA	NA	NA	NA	NA
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	2	Water	Yes	Pass	NA	NA	NA	NA	NA
Pump Sump Contractor blows o	Universal in the sensor to	Leak Alert LA-08 activate the alarm. S	Yes ensor respon	Yes ds instantly. S	Vapor Odor Sumps had been recently r	NT refinished and	NT nad stror	NT ng chemical sn	NT nell, not ft	NT uel.	1	1	Product	NP	Pass
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NP	NA
Pump Sump Contractor blows o	Universal n the sensor to	Leak Alert LA-08 activate the alarm. S	Yes ensor respon	Yes ds instantly. S	Vapor Odor Sumps had been recently r	NT refinished and	NT nad stror	NT ng chemical sn	NT nell, not fu	NT uel.	1	1	Product	NP	Pass
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	8	10	Water	Yes	Pass	NA	NA	NA	NA	NA
Tank Interstice Emergency general	Universal for with 1000 g	Leak Alert LA-08 allon tank.	Yes	Yes	Clean/Dry	15	15	Water	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	5	3	Water	Yes	Pass	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	4	4	Water	Yes	Pass	NA	NA	NA	NA	NA
Tank Interstice Contractor blows o	Universal n the sensor to	Leak Alert LA-08 activate the alarm.	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Water	NA	Pass
Tank Interstice Contractor blows of	Universal on the sensor to	Leak Alert LA-08 activate the alarm. S	Yes ensor respon	Yes ds instantly.	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NA	Pass
Tank Interstice Contractor blows of	Universal on the sensor to	Leak Alert LA-08 activate the alarm. S	Yes ensor respon	Yes ds instantly.	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NA	Pass
Tank Interstice Contractor blows of	Universal on the sensor to	Leak Alert LA-08 activate the alarm. S	Yes Sensor respon	Yes ds instantly.	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NA	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ing			F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	sult	Resp	Rec	Alarm	PSD	Result
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice Contractor blows o	Universal on the sensor to	Leak Alert LA-08 activate the alarm.	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Both	NA	Pass
Tank Interstice Contractor blows o	Universal on the sensor to	Leak Alert LA-08 activate the alarm.	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Water	NA	Pass
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	3	3	None	Yes	Pass	NA	NA	NA	NA	NA
Tank Interstice Contractor blows o	Universal on the sensor to	Leak Alert LA-08 activate the alarm.	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Water	NA	Pass
Tank Interstice Sensor activates an	Universal audible alarm	Leak Alert LA-08 and shuts down pum	Yes at the disper	Yes nser.	Clean/Dry	1	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA
Tank Interstice Sensor activates an	Universal audible alarm	Leak Alert LA-08 and shuts down pum	Yes o at the disper	Yes nser.	Clean/Dry	1	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA
Tank Interstice Contractor waited	Universal for 2 minutes for	Leak Alert LA-08 or the sensor to respo	Yes nse, but never	Yes r did. Sensor h	Clean/Dry and to be replaced.	NT	NT	NT	NT	NT	None	None	None	NA	Fail
Tank Interstice Sensor was not test	Universal ted because it v	Leak Alert LA-08 was stuck in the inters	Yes titial space.	Yes	Clean/Dry	None	NA	None	No	Fail	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NA	NA
Sensor Model:	LAVS-1			Operati	ng Principle: Metal	Oxide Semicon	ductor								
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	Unk	Unk	Unk	No	Fail	NA	NA	NA	NA	NA
Sensor Model:	LS 03875 S	STP Sensor		Operati	ng Principle: Therm	al Conductivity									
Pump Sump There was no light	Universal bulb on the mo	Leak Alert LA-08 onitoring panel, but al	Yes arm activated	Yes I.	Clean/Dry	2	33	Product	Yes	Pass	NA	NA	NA	NP	NA
Pump Sump There was no light	Universal bulb on the mo	Leak Alert LA-08 onitoring panel, but al	Yes arm activated	Yes I.	Clean/Dry	2	11	Product	Yes	Pass	NA	NA	NA	NA	NA
Pump Sump There was no light	Universal bulb on the mo	Leak Alert LA-08 onitoring panel, but al	Yes arm activated	Yes	Clean/Dry	2	15	Product	Yes	Pass	NA	NA	NA	NP	NA

Sensor Make: Veeder-Root

Sensor Mode	1: 330212-001			Operation	ng Principle: Flo	at Switch									
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ing			F	lip Testing	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	sult	Resp	Rec	Alarm	PSD	Resul
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	MR	Both	NP	Pass
Sensor cuts power	er to dispenser, wl	nich must be manual	ly reset.												
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	1	Product	Yes	Pass
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
UDC Sensor cuts power	Veeder-Root er to dispenser, wl	Dispenser cut-off nich must be manual	Yes ly reset.	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	MR	Both	NP	Pass
UDC Sensor cuts power	Veeder-Root er to dispenser, wh	Dispenser cut-off nich must be manual	Yes ly reset.	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	MR	Both	NP	Pass
Sensor Mode	1: 331102-002			Operati	ng Principle: Float Sw	itch									
Pump Sump Sensor has doubl	Veeder-Root e float alarm (hig	TLS-350 h/low). Service techr	Yes nician decide	Yes d only to do th	Clean/Dry ne flip test.	NT	NT	NT	NT	NT	8	1	Both	Yes	Pass
Pump Sump Sensor has doubl	Veeder-Root le float alarm (hig	TLS-350 h/low). Service techr	Yes nician decide	Yes d only to do th	Clean/Dry ne flip test.	NT	NT	NT	NT	NT	5	1	Both	Yes	Pass
Sensor Mode	l: 794380-208	}		Operati	ng Principle: Float Sw	itch									
										> 17T					_
ATG Sump Sump contains d	Veeder-Root irty water. Alarm	TLS-350 was set at the control	Yes l panel.	Yes	Water	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass
Sump contains d ATG Sump	Veeder-Root		l panel. Yes	Yes	Water		NT NT	NT	NT NT	NT	Unk Unk		Product Product	NP NP	Pass
Sump contains d ATG Sump Sump contains d ATG Sump	Veeder-Root irty water. Alarm Veeder-Root	TLS-350	Yes I panel. Yes Yes			NT						Unk			
Sump contains d ATG Sump Sump contains d ATG Sump	Veeder-Root irty water. Alarm Veeder-Root	TLS-350 was set at the contro TLS-350	Yes I panel. Yes Yes	Yes	Water	NT NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass Pass
Sump contains d ATG Sump Sump contains d ATG Sump Sump contains d	Veeder-Root irty water. Alarm Veeder-Root irty water. Alarm	TLS-350 was set at the contro TLS-350 was set at the contro TLS-350 was set at the contro	Yes I panel. Yes I panel.	Yes	Water	NT NT NT	NT NT	NT NT	NT NT	NT NT	Unk Unk	Unk Unk	Product Product	NP NP	Pass Pass
Sump contains d ATG Sump Sump contains d ATG Sump Sump contains d ATG Sump	Veeder-Root irty water. Alarm Veeder-Root irty water. Alarm Veeder-Root Veeder-Root	TLS-350 was set at the contro TLS-350 was set at the contro TLS-350 was set at the contro TLS-350	Yes I panel. Yes I panel. Yes I panel Yes	Yes Yes	Water Water Clean/Dry	NT NT NT NT	NT NT	NT NT NT	NT NT	NT NT	Unk Unk	Unk Unk	Product Product	NP NP Yes	Pass Pass Pass
Sump contains d ATG Sump Sump contains d ATG Sump Sump contains d ATG Sump ATG Sump ATG Sump ATG Sump	Veeder-Root irty water. Alarm Veeder-Root irty water. Alarm Veeder-Root Veeder-Root Veeder-Root	was set at the contro TLS-350 was set at the contro TLS-350 was set at the contro TLS-350 TLS-350 TLS-350 TLS-350	Yes I panel. Yes I panel. Yes I panel Yes Yes	Yes Yes Yes Yes	Water Water Clean/Dry Clean/Dry	NT NT NT NT	NT NT NT NT	NT NT NT NT	NT NT NT	NT NT NT	Unk Unk 5 5	Unk Unk 1	Product Product Product	NP NP Yes Yes	Pass Pass Pass
ATG Sump Sump contains d ATG Sump Sump contains d ATG Sump Sump contains d ATG Sump ATG Sump ATG Sump ATG Sump	Veeder-Root irty water. Alarm Veeder-Root irty water. Alarm Veeder-Root Veeder-Root Veeder-Root Veeder-Root Veeder-Root	was set at the contro TLS-350 was set at the contro TLS-350 was set at the contro TLS-350 TLS-350 TLS-350 TLS-350	Yes I panel. Yes I panel Yes I panel Yes Yes Yes	Yes Yes Yes Yes Yes	Water Water Clean/Dry Clean/Dry Clean/Dry	NT NT NT NT NT NT	Unk Unk 5 5 5	Unk Unk 1 1	Product Product Product Product	NP NP Yes Yes	Pass Pass Pass Pass Pass				
Sump contains d ATG Sump Sump contains d ATG Sump Sump contains d ATG Sump ATG Sump ATG Sump Fill Sump Fill Sump Fill Sump Fill Sump	Veeder-Root irty water. Alarm Veeder-Root irty water. Alarm Veeder-Root Veeder-Root Veeder-Root Veeder-Root Veeder-Root Veeder-Root swater, dirt, and Veeder-Root Veeder-Root Veeder-Root	TLS-350 was set at the contro TLS-350 was set at the contro TLS-350 TLS-350 TLS-350 TLS-350 TLS-350 TLS-350 TLS-350 TLS-350	l panel. Yes l panel. Yes l panel Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes	Water Water Clean/Dry Clean/Dry Clean/Dry Water	NT NT NT NT NT NT NT NT	Unk Unk 5 5 3	Unk Unk 1 1 1 3	Product Product Product Product Product	NP NP Yes Yes Yes Yes	Pass Pass Pass Pass Pass Pass				

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ting			F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Fill Sump	Veeder-Root	TLS-350	No	Yes	Product	NT	NT	NT	N	ΓNT	2	2	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	Γ ΝΤ	2	2	Product	Yes	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	N	Γ ΝΤ	10	2	Product	Yes	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Debris	NT	NT	NT	N	Γ ΝΤ	2	2	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	Unk	Product	N.	A Pass	NT	NT	NT	NT	NT
Fill Sump Fill sump contain	Veeder-Root ns waste oil.	TLS-350	Yes	Yes	Product	NT	NT	NT	N	Г МТ	8	Unk	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	N	Γ ΝΤ	8	Unk	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	N	Γ ΝΤ	8	Unk	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	N'	Γ ΝΤ	8	Unk	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	5	Product	Ye	es Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Ye	es Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	8	5	Product	Ye	es Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Ye	es Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Ye	es Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	N	Γ ΝΤ	1	1	Both	NP	Pass
Fill Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	N	Γ ΝΤ	1	1	Both	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Water lecided to call the test off	NT	NT	NT Testing we	N'		none		None	No	Fail
		•				*							D d	ND	D
Fill Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	N'		1	1	Both	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N		5	1	Product	Yes	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	N		5	1	Product	Yes	Pass
Fill Sump	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	N		5	6	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N'		12	2	Product	Yes	Pass
Fill Sump The sensor was r	Veeder-Root not located at the lo	TLS-350 owest point in the	No tank. Technicia	Yes an lowered it a	Water nd activetd an alarm.	NT	NT	NT	N	Γ ΝΤ	15	1	Product	Yes	Pass
Fill Sump	Veeder-Root	Unk	Yes	Yes	Water	NT	NT	NT	N	Γ ΝΤ	5	6	Product	Yes	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ing				F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD	Resu	ılt	Resp	Rec	Alarm	PSD	Result
Fill Sump Contains a subst	Veeder-Root antial amount of wa	TLS-350 ater.	No	Yes	Water	NT	NT	NT	N	ΙΤ	NT	5	1	Product	NP	Pass
Fill Sump	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	N	ΙΤ	NT	5	6	Product	Yes	Pass
Fill Sump The sensor was a	Veeder-Root not at the lowest po	TLS-350 int in the tank.	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT	NT	5	1	Product	Yes	Pass
Fill Sump Sump has 4-5 in	Veeder-Root ches of water. Tech	Unk nnician was waitin	Yes ng for maintina	Yes nce to clean th	Water e water before putting back	NT ck the sensor.	NT	NT	N	ΙΤ	NT	5	5	Product	Yes	Pass
Fill Sump Sump has 4-5 in	Veeder-Root ches of water. Tech	Unk nnician was waitin	Yes ng for maintina	Yes nce to clean th	Water e water before putting bac	NT ck the sensor.	NT	NT	N	IT	NT	5	5	Product	Yes	Pass
Piping Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	ΙΤ	NT	6	4	Product	Yes	Pass
Pump Sump Alarm was set at	Veeder-Root the control panel.	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	ΙΤ	NT	Unk	Unk	Product	NP	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	5	2	Product	Y	es l	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	5	2	Product	Y	es l	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	5	2	Product	Y	es l	Pass	NT	NT	NT	NT	NT
Pump Sump Flip Test- estima	Veeder-Root ated response of 10	TLS-350 seconds.	Yes	Yes	Water	NT	NT	NT	N	IT	NT	10	10	Product	NP	Pass
Pump Sump Flip Test- estima	Veeder-Root ated response of 10	TLS-350 seconds	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT	NT	10	10	Product	NP	Pass
Pump Sump Alarm was set at	Veeder-Root the control panel.	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT	NT	Unk	Unk	Product	NP	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	ΙΤ	NT	8	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	N	ΙΤ	NT	6	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Y	es l	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	N	IT	NT	5	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	ΙΤ	NT	10	5	Product	Yes	Pass
Pump Sump The cable is too	Veeder-Root short to test sensor	TLS-350 in liquid, Instead	Yes perform a flip	Yes test.	Clean/Dry	NT	NT	NT	N	IT	NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	ΙΤ	NT	8	2	Product	Yes	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition			iquid Tesi	-				lip Testin	_	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Pump Sump lip Test- estima	Veeder-Root ted response of 10	TLS-350 seconds	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	10	Product	NP	Pass
Pump Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	N	T NT	1	1	Both	NP	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	N	T NT	5	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	No	Yes	Product	NT	NT	NT	N	T NT	5	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	4	Product	Y	es Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	12	4	Product	Y	es Pass	NT	NT	NT	NT	NT
Pump Sump Alarm was set at	Veeder-Root the control panel.	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	Unk	Unk	Product	NP	Pass
Pump Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	N	T NT	1	1	Both	NP	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	8	4	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	4	Product	Y	es Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	6	4	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	N	T NT	1	1	Both	NP	Pass
Pump Sump	Unk	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	6	6	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Y	es Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	2	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	2	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	8	4	Product	Y	es Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	15	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	7	5	Product	Y	es Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	5	Product	Y	es Pass	NT	NT	NT	NT	NT
Pump Sump Cable was too sh	Veeder-Root ort to allow for tes	TLS-350 ting in liquid. Fli	Yes ip test was used	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	Yes	Pass
Pump Sump Cable was too sh	Veeder-Root ort to allow for tes	TLS-350 ting in liquid. Fli	Yes ip test was used	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	Yes	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Tes	ting			F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	sult	Resp	Rec	Alarm	PSD	Result
Pump Sump Cable was too sh	Veeder-Root ort to allow for tes	TLS-350 ting in liquid. Fli	Yes p test was used	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump Tested 4 of VR 2	Veeder-Root 208 sensors, all 4 al	TLS-350 arms were set.	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	Unk	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	Unk	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	Unk	Pass
Pump Sump	Veeder-Root	Unk	Yes	Yes	Water	NT	NT	NT	NT	NT	5	6	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	15	Product	Yes	Pass
Pump Sump 2-3 gallons of pr	Veeder-Root oduct in the sump.	TLS-350 Sensor was raise	No ed above the pro	Yes duct level. Se	Product ensor in pump sump was no		NT to shut o	NT down pump	NT	NT	3	3	Product	NP	Pass
Pump Sump Fill bucket was d	Veeder-Root letached. Stick was	Unk in the product lir	No ne (to prevent th	Yes ne flapper from	Water n shutting down the flow)	25	17	Water	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump Fill bucket was d	Veeder-Root letached. Stick was	Unk in the product lir	No ne (to prevent th	Yes ne flapper from	Water n shutting down the flow)	20	20	Water	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump Fill bucket was o	Veeder-Root letached. Stick was	Unk in the product lir	No ne (to prevent th	Yes ne flapper from	Water n shutting down the flow)	20	20	Water	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump Sensor timed out	Veeder-Root	Unk to go and re-set i	No t to shut down t	Yes the pump.	Water	20	15	Water	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump Sensor timed out	Veeder-Root	Unk to go and re-set i	No t to shut down t	Yes the pump.	Water	25	30	Water	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump Sensor timed out	Veeder-Root	Unk to go and re-set i	No t to shut down t	Yes the pump.	Water	20	30	Water	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump Sensor timed out	Veeder-Root & Technician had	Unk to go and re-set i	No t to shut down t	Yes the pump.	Water	20	20	Water	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump Fill bucket was o	Veeder-Root letached. Stick was	Unk in the product lir	No ne (to prevent th	Yes ne flapper from	Water n shutting down the flow).	20 Most of sensor	15	Water out & Tech	Yes nician had t	Pass o go and re	NT e-set it to sh		NT on the pump	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	Unk	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ting			F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	Yes	Pass
Pump Sump 2 sensors, 1 raise	Veeder-Root ed in sump and the	TLS-350 other was a the lo	No west point. Bo	Yes oth responded	Water and activated pump shut of	NT off. Picture of s	NT ensor wa	NT s taken.	N	T NT	2	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	N	T NT	2	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	15	5	Product	Y	es Pass	NT	NT	NT	NT	NT
Pump Sump Sensor was raise	Veeder-Root d about 4 inches fro	TLS-350 om the bottom of	No the sump.	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	Yes	Pass
Pump Sump 2-3 gallons of pr	Veeder-Root oduct in the sump.	TLS-350 Sensor was raise	No d above the pro	Yes oduct level. Se	Product ensor in pump sump was r	NT not programmed	NT I to shut	NT down pump).	T NT	3	3	Product	NP	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	15	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	12	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	10	Product	Yes	Pass
Pump Sump Product is leakin	Veeder-Root g out of the top of	TLS-350 the turbine pump.	No	Yes	Product	NT	NT	NT	N	T NT	8	10	Product	Yes	Pass
Pump Sump Product is leakin	Veeder-Root g out of the top of	TLS-350 the turbine pump.	No	Yes	Product	NT	NT	NT	N	T NT	8	10	Product	Yes	Pass
Pump Sump Product is leakin	Veeder-Root g out of the top of	TLS-350 the turbine pump.	No	Yes	Product	NT	NT	NT	N	T NT	8	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	6	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	6	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	15	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	3	5	Product	Yes	Pass
Pump Sump Noticed a 1" hole	Veeder-Root e in the sump, whice	TLS-350 ch will need to be	Yes repaired in ord	Yes er to have tigh	Clean/Dry t secondary containment.	NT	NT	NT	N	T NT	4	4	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-300	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	30	Unk	Product	NP	Pass
					,										

Pump Samp Veeder-Row TLS-530 No Ves Cleam/Dry Nor	Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ing			F	lip Testin	g	
There was also in the sump, againestments of the sump, againestments the block of 2 pai. Fill state that 11 per leaved 12 pai. Fill state that 12 pai. State that 12					_		Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Part	There was a hole	in the sump, appro	oximately 1 1/2" o			,										
Pump Sump Veeder-Root TLS-350 Yes Yes Clean/Dry NT NT NT NT NT NT NT N						•			NT	N	T NT	er 2 n	NA	None	No	Fail
Pump Sump Unk Unk Yes Yes Clean/Dry NT NT NT NT NT NT NT N	Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	3 4	4	NA	Yes	Pass
Pump Sump	Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	3	3	Product	Yes	Pass
Pump Sump	Pump Sump	Unk	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	Yes	Pass
Pump Sump	Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T N7	4	4	Product	Yes	Pass
Pump Sump Veeder-Root Unk Ves Yes Water NT NT NT NT NT NT NT N	Pump Sump	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	8	Product	Yes	Pass
Pump Sump	Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	1	Both	NP	Pass
Sump has 4-5 inches of water. Technician was waiting for maintinance to clean the water before putting back the sensor. UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT NT NT NT NT NT 10 15 Unk Product Yes Pass UDC Veeder-Root TLS-350 Yes Yes Clean/Dry 10 5 Product Yes Pass NT	1 1							NT	NT	N	T NT	5	5	Product	Yes	Pass
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT NT <th< td=""><td>1 1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>NT</td><td>NT</td><td>N</td><td>T NI</td><td>5</td><td>5</td><td>Product</td><td>Yes</td><td>Pass</td></th<>	1 1							NT	NT	N	T NI	5	5	Product	Yes	Pass
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry 10 5 Product Yes Pass NT	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	15	Product	Yes	Pass
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	15	Unk	Product	Unk	Pass
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	5	Product	Y	es Pas	s NT	NT	NT	NT	NT
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry 15 10 Product Yes Pass NT NT NT NT NT NT UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T N7	6	4	Product	Yes	Pass
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT NT NT NT NT NT 10 15 Product Yes Pass UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T N7	6	4	Product	Yes	Pass
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT NT NT NT NT NT 6 4 Product Yes Pass UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	15	10	Product	Y	es Pas	s NT	NT	NT	NT	NT
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT NT NT NT NT NT 10 15 Product Yes Pass UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T N7	10	15	Product	Yes	Pass
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT NT NT NT NT 10 15 Product Yes Pass UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T N	6	4	Product	Yes	Pass
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT NT NT NT NT NT 8 2 Product Yes Pass UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT NT NT NT NT NT 15 Unk Product Unk Pass	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	15	Product	Yes	Pass
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT NT NT NT 15 Unk Product Unk Pass	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	15	Product	Yes	Pass
•	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	8	2	Product	Yes	Pass
UDC Veeder-Root TLS-350 Yes Yes Clean/Dry NT NT NT NT 15 Unk Product Unk Pass	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	15	Unk	Product	Unk	Pass
	UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	15	Unk	Product	Unk	Pass

sor	Panel	Panel	At Low	Wiring	Condition		L	iquid Tes	ting			F	lip Testin	g^{-}	
ation	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Resul
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	15	Unk	Product	Unk	Pass
six dispens	ers, all passed-ala	rms set (total of	six triggers), all	six sensors (V	/R 208) are working.										
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	10	Product	NP	Pass
est- estimate	ed response of 10	seconds													
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	8	2	Product	Yes	Pass
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	8	2	Product	Yes	Pass
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	8	2	Product	Yes	Pass
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	8	2	Product	Yes	Pass
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	8	2	Product	Yes	Pass
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	15	10	Product	Y	es Pass	NT	NT	NT	NT	NT
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	6	4	Product	Yes	Pass
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	5	Product	Y	es Pass	NT	NT	NT	NT	NT
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	10	Product	NP	Pass
est- estimate	ed response of 10	seconds													
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	10	Product	NP	Pass
est- estimate	ed response of 10	seconds													
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	10	Product	NP	Pass
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	10	Product	NA	Pass
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	10	Product	NP	Pass
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	6	4	Product	Yes	Pass
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	6	4	Product	Yes	Pass
TDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	20	20	Water	Y	es Pass	NT	NT	NT	NT	NT
timed out &	& Technician had	to go and re-set i	it to shut down	the pump. Tec	hnician conducts water and	l flip test in sor	ne of the	e sensors be	ecause th	ne wire did n	ot reach te w	ater bu	cket.		
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	15	Unk	Product	Unk	Pass
DC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	20	25	Water	Y	es Pass	NT	NT	NT	NT	NT
					hnician conducts water and									111	111
DC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	22	22	Water	Y	es Pass	NT	NT	NT	NT	NT
					hnician conducts water and										
DC	Veeder-Root	TLS-350	Yes	Yes	Clean/Drv	NT	NT	NT	N	T NT	15	Unk	Product	Unk	Pass
DC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	22	22	Water	ecause the	es Pass	NT ot reach the	NT	cket. N ucket.	NT	VT NT

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Testing				F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm PS	D R	esult	Resp	Rec	Alarm	PSD	Result
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	22	22	Water	Yes	Pass	NT	NT	NT	NT	NT
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	21	21	Water	Yes	Pass	NT	NT	NT	NT	NT
Sensor timed out &	t Technician had	to go and re-set it	to shut down t	the pump. Tecl	hnician conducts water an	nd flip test in sor	ne of the	e sensors becaus	e the	wire did not r	each te w	ater bu	cket.		
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry hnician conducts water an	25	22	Water	Yes		NT	NT	NT	NT	NT
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	22	22	Water	Yes		NT		NT	NT	NT
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	20	20	Unk	Unk		NT	NT	NT	NT	NT
					hnician conducts water an									NI	NI
Unk	Veeder-Root	TLS-350	No	Yes	Water	NT	NT	NT	NT	NT	2	2	Product	No	Fail
			ıtdown. (print	er said pump s	shutdown occurred, but pu	amp continued to	run. P	icture of sensor	is site	7 #2.). Follo	w up was	done o	n this site a	ind Inspe	ctor
confirmed that the															
Vault Single wall steel ta	Gilbarco nk inside a Vault	Unk Vapor recovery	Yes fill bucket is h	Yes alf way full of	Clean/Dry water	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Sensor Model:		- · · · · · · · · · · · · · · · · · · ·			ng Principle: Float S	witch									
				•	3 1										_
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	12	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	12	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	12	Unk	Product	Yes	Pass
Sensor Model:	794380-300			Operation	ng Principle: Float S	witch									
Tank Interstice	Veeder-Root	TLS-300	NA	Yes	Brine-Filled	2	2	Water	NA	Pass	NT	NT	NT	NT	NT
Sensor Model:	794380-301			Operatio	ng Principle: Float St	witch									
Tank Interstice	Veeder-Root	Simplicity	Yes	Yes	Brine-Filled	NT	NT	NT	NT	NT	6	1	Both	Yes	Pass
Tank Interstice	Veeder-Root	Simplicity	Yes	Yes	Brine-Filled	NT	NT	NT	NT	NT	6	1	Both	Yes	Pass
Tank Interstice	Veeder-Root	Simplicity	Yes	Yes	Brine-Filled	NT	NT	NT	NT	NT	6	1	Both	Yes	Pass
Sensor Model:	794380-302			Operatio	ng Principle: Float Sv	witch									
Tank Interstice Technician lifted s	Veeder-Root ensor out of brine	TLS-350 e reservoir to activ	NA vate the "low w	Yes rater level" alar	Brine-Filled	20	15	Water	NA	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	10	Unk Lo	w Brine Level	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	10	Unk Lo	w Brine Level	Yes	Pass	NT	NT	NT	NT	NT

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Testing			_	F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm PS	SD Re	esult	Resp	Rec	Alarm	PSD	Result
Γank Interstice Technician lifted s	Veeder-Root ensor out of brine	TLS-350 reservoir to activ	NA vate the "low w	Yes ater level" ala	Brine-Filled rm.	20	15	Water	NA	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	NA vate the "low w	Yes	Brine-Filled	30	10	Water	NA	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	10	Unk Lo	ow Brine Level	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	30	10	Water	NA	Pass	NT	NT	NT	NT	NT
Technician lifted s	ensor out of brine	reservoir to activ	vate the "low w	ater level" ala	rm.										
ensor Model:	794380-408			Operati	ng Principle: Float Sw	vitch									
UDC Alarm set at the co	Veeder-Root ntrol panel, senso	TLS-350 or is not programi	Yes med for pump s	Yes hut down or d	Clean/Dry ispenser shut down.	NT	NT	NT	NT	NT	6	Unk	Product	NP	Pass
UDC Alarm set at the co	Veeder-Root ntrol panel, senso	TLS-350 or is not programi	Yes med for pump s	Yes hut down or d	Clean/Dry ispenser shut down.	NT	NT	NT	NT	NT	6	Unk	Product	NP	Pass
UDC Alarm set at the co	Veeder-Root ntrol panel, senso	TLS-350 or is not programi	Yes med for pump s	Yes hut down or d	Clean/Dry ispenser shut down.	NT	NT	NT	NT	NT	6	Unk	Product	NP	Pass
UDC Alarm set at the co	Veeder-Root ntrol panel, senso	TLS-350 or is not programi	Yes med for pump s	Yes hut down or d	Clean/Dry ispenser shut down.	NT	NT	NT	NT	NT	6	Unk	Product	NP	Pass
ensor Model:	794380-500			Operati	ng Principle: Float Sw	vitch									
Tank Interstice	Veeder-Root	TLS-300	NA	Yes	Brine-Filled	2	2	Water	NA	Pass	NT	NT	NT	NT	NT
ensor Model:	794390-205			Operati	ng Principle: Float Sw	vitch									
Fill Sump	Veeder-Root	TLS-350	No	Yes	Product	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sump had oil in it.	Sensor was raise	ed above the oil, b	out alarmed who	en technician	owered it into the oil. Con	ntractor was no	tified to	pump out the o	il that c	lay.					
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	NA	Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	NA	Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	NP	Pass
Fill Sump Sensor was Gilbar	Gilbarco co equivalent of V	EMC Veeder Root Mod	Yes lel 794380-205.	Yes Cable was to	Clean/Dry o short to test the sensor in		NT test was	NT used.	NT	NT	10	10	Product	Yes	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	6	Product	NP	Pass
riii Suiiip															

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ting			F	lip Testing	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD R	esult	Resp	Rec	Alarm	PSD	Result
Fill Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sensor was Gilba	arco equivalent of V	Veeder Root Mod	el 794380-205.	Cable was to	oo short to test the sensor	in liquid, so flip	test was	used.							
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	90	Unk	Product	NP	Pass
sensor is not pro	grammed for positi	ve shut down, on	ly sets an audib	le alarm.											
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	6	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	6	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	25	5	Both	Yes	Pass
Some condensati	ion on sump.														
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	90	Unk	Product	NP	Pass
sensor is not pro	grammed for positi	ve shut down, on	ly sets an audib	le alarm.											
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	90	Unk	Product	NP	Pass
sensor is not pro	grammed for positi	ve shut down, on	ly sets an audib	le alarm.											
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	5	Both	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	NT	NT	5	1	Both	NP	Pass
l inch of keroser	ne in sump; this sen	sor was tested wi	th just an alarm	first; retestin	g while running pump and	d the pump did 1	not shut o	off.							
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	5	Both	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	Yes	Pass
Sensor was Gilba	arco equivalent of V	Veeder Root Mod	el 794380-205.	Cable was to	oo short to test the sensor	in liquid, so flip	test was	used.							
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	5	Both	Yes	Pass
For this tank, the	ere are two sumps, b	out only one sense	or (the sumps a	e linked).											
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sensor was Gilba	arco equivalent of V	Veeder Root Mod	el 794380-205.	Cable was to	oo short to test the sensor	in liquid, so flip	test was	used.							
Pump Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	10	Product	Yes	Pass
	d approximately 1		of the sump.		,										
Pump Sump	Veeder-Root	TLS-350	Unk	Yes	Water	NT	NT	NT	NT	NT	1	2	Product	Yes	Pass
- amp samp		125 550	Cin			111		.11	1,11	.,.	•	-	1.00001	103	- 400

Sensor	Panel	Panel	At Low	Wiring	Condition		Liquid Testing					F	Flip Testing		
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	esult	Resp	Rec	Alarm	PSD	Resul
Pump Sump	Veeder-Root	TLS-350	Unk	Yes	Water	NT	NT	NT	NT	NT	5	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
Tank Interstice Diesel tank interst	Veeder-Root tice 50m from sum	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	5	Both	Yes	Pass
Tank Sump Suction system wi	Veeder-Root ith tank top sump.	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	25	Unk	Product	NP	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
Sensor Model:	: 794390-407			Operati	ng Principle: Float S	witch									
Tank Interstice The sensor was loup was done & sen		TLS-350 the tank, at the a	No ccess port. The	No e pull-string w	Clean/Dry as broken. Inspector said		NT fixed im	NT nmediately.	NT The sensor	NT was not fi	NT unctionally		NT luring this	NT	NT n. Afollo
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice Wrap-around sens	Veeder-Root sor. Techician mo	TLS-350 ved sensor toward	Yes d top of tank ur	Yes ntil alarm soun	Clean/Dry ded. Did not completely	NT remove the sens	NT sor.	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice Wrap-around sens	Veeder-Root sor. Techician mo	TLS-350 ved sensor toward	Yes d top of tank ur	Yes ntil alarm soun	Clean/Dry	NT remove the sens	NT sor.	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice Wrap-around sens	Veeder-Root sor. Techician mo	TLS-350 ved sensor towar	Yes d top of tank ur	Yes ntil alarm soun	Clean/Dry ded. Did not completely	NT remove the sens	NT sor.	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Unk	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
							NT		NT	NT					Fail

Sensor	Panel	Panel	At Low	Wiring	Condition		Liquid Testing					Flip Testing				
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	esult	Resp	Rec	Alarm	PSD	Resul	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass	
Technician pulled	d sensor around the	tank until alarm	activated, but of	did not fully re	emove the sensor from the	annular space.										
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	10	Product	Yes	Pass	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass	
Alarm was set du	ring the removal o	f the sensor from	the tank interst	tice.												
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	15	Product	Yes	Pass	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass	
Alarm was set du	ring the removal o	f the sensor from	the tank interst	tice.												
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Unk	NT	NT	NT	NT	NT	1	1	Both	NP	Pass	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass	
Technician pulled	d sensor around the	tank until alarm	activated, but of	did not fully re	emove the sensor from the	annular space.										
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Fail	
Sensor would not	go into alarm unti	l the techician sh	ook it vigorous	ly. Float was	stuck.											
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass	
Technician pulled	d sensor around the	tank until alarm	activated, but of	did not fully re	emove the sensor from the	annular space.										
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Unk	NT	NT	NT	NT	NT	1	1	Both	NP	Pass	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass	
Technician pulled	d sensor around the	tank until alarm	activated, but of	did not fully re	emove the sensor from the	annular space.										
ensor Model	: 794390-409			Operati	ng Principle: Float Sv	witch										
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	2	Product	Yes	Pass	
Tank Interstice	Veeder-Root	TLS-350	Unk	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass	
Tank Interstice	Veeder-Root	TLS-350	Unk	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass	
Tank Interstice	Veeder-Root	TLS-350	Unk	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry		NT	NT	NT	NT		Unk	Product	NP	Pass	
	up for pump shut d		105	105	Cicaiii Di y	111	111	111	111	111	9	OHK	Troduct	111	1 455	
Tank Interstice	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	17	17	Product	Yes	Pass	
Three tanks (1 sp	olit gasoline tank &	2 diesel tanks)			•											
			**	*7	CI D										-	
Tank Interstice	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	20	Product	Yes	Pass	

Sensor	Panel	Panel	At Low	Wiring	Condition	Liquid Testing						Flip Testing				
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	sult	Resp	Rec	Alarm	PSD	Result	
Tank Interstice	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	20	Product	Yes	Pass	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	NP	Pass	
Tank Interstice Γested 4 of 409 se	Veeder-Root ensors, all appeare	TLS-350 d to be dry and cl	Yes ean; alarms set	Yes for all sensors	Clean/Dry 3.	NT	NT	NT	NT	NT	15	Unk	Product	NP	Pass	
Tank Interstice Flip Test - Approx	Veeder-Root ximately 10 Secon	TLS-350 ads.	Yes	Yes	Unk	NT	NT	NT	NT	NT	10	10	Product	NP	Pass	
Tank Interstice Flip Test - Approx	Veeder-Root ximately 10 Secon	TLS-350 ads.	Yes	Yes	Unk	NT	NT	NT	NT	NT	10	10	Product	NP	Pass	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	NP	Pass	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	NP	Pass	
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	Unk	Pass	
Tank Interstice Sensor is not set u	Veeder-Root up for pump shut d	TLS-350 lown.	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	9	Unk	Product	NP	Pass	
	Veeder-Root ed between the pri g when sensor wa		Unk ary tank walls a	Yes and cannot be	Clean/Dry removed to verify sensor t	NT ype. Alarm was	NT s set at th	NT e control p	NT anel by pulli	NT ng it. The		Unk me was	Product s estimated	NP because	Fail there was	
T 1 T 4 4	Veeder-Root	TI C 250								N TOP						
Follow up was ma	de on this site wi	TLS-350 th the local agnec	Yes by and assured	Yes that next day,	Clean/Dry the contractor replaced the	NT broken sensor	NT s. Inspec	NT tor did not	NT re-inspect, b	NT ut received	45 I a report f		Product e contractor	NP indicatin	Pass g that the	
Follow up was masensor is working Tank Interstice	nde on this site wi properly.	th the local agnec	ey and assured to	that next day,	•	broken sensor	s. Inspec	tor did not	re-inspect, b	ut received	l a report f	Unk	None None			
Follow up was makensor is working Tank Interstice Sensor was wedge	nde on this site wi properly.	th the local agnec	ey and assured to	that next day,	the contractor replaced the	broken sensor	s. Inspec	tor did not	re-inspect, b	ut received	None ke the prev	Unk	None None	indicatin	g that the	
Sensor is working Tank Interstice Sensor was wedge Tank Interstice Tank Interstice	veeder-Root de between the pri	TLS-350 mary and seconda TLS-350 TLS-350	Unk Ty tank walls a	Unk	Clean/Dry removed to verify sensor t	NT ype. Alarm was	NT s not set a	NT at the contr	re-inspect, b NT rol panel by p	NT oulling it li	None ke the prev	Unk vous tw	None o tanks.	indicatin NP	g that the	
Follow up was masensor is working Tank Interstice Sensor was wedge Tank Interstice Tank Interstice	veeder-Root Veeder-Root Veeder-Root Veeder-Root Veeder-Root Veeder-Root	TLS-350 mary and seconda TLS-350 TLS-350	Unk ary tank walls a	Unk und cannot be	Clean/Dry removed to verify sensor t	NT ype. Alarm was NT NT	NT s not set a	NT at the contr	re-inspect, b NT rol panel by p	NT bulling it li	None ke the prev	Unk Vous tw	None tanks. Product	NP NP	Fail Pass	
Follow up was masensor is working Tank Interstice Sensor was wedge Tank Interstice Tank Interstice Flip Test - Approx Sensor Model: Piping Sump	veeder-Root	TLS-350 mary and seconda TLS-350 TLS-350 ds.	Unk ary tank walls a Yes Yes	Unk and cannot be a Yes Yes Operation	Clean/Dry removed to verify sensor t Clean/Dry Unk	NT ype. Alarm was NT NT NT NT	NT s not set a NT NT NT	NT NT NT NT	NT ol panel by p NT NT NT NT	NT pulling it li NT NT NT	None ke the prev	Unk Vous tw	None tanks. Product	NP NP	Fail Pass	
Follow up was masensor is working Tank Interstice Sensor was wedge Tank Interstice Tank Interstice Flip Test - Approx Sensor Model: Piping Sump B small steel pipes	veeder-Root	TLS-350 mary and seconda TLS-350 TLS-350 ds. TLS-350 vator) were run wi	Unk ary tank walls a Yes Yes Yes thin one large s	Unk and cannot be a Yes Yes Operation Yes steel pipe. The	Clean/Dry Temoved to verify sensor to the Clean/Dry Unk Principle: Float Son Clean/Dry Clean/Dry	NT ype. Alarm was NT NT NT NT witch NT pipe, which st	NT s not set a NT	NT	NT ol panel by p NT NT NT NT NT NT NT NT NT MT MT MT MT MT MT	NT pulling it li NT NT NT NT NT NT NT ARA.	None ke the prev	Unk yous tw Unk	None o tanks. Product Product	NP NP NP	Fail Pass Pass	
Follow up was masensor is working Tank Interstice Sensor was wedge Tank Interstice Tank Interstice Flip Test - Approx Sensor Model: Piping Sump 3 small steel pipes Piping Sump	veeder-Root (1 for each gener Veeder-Root (1 for each gener	TLS-350 mary and seconda TLS-350 TLS-350 ds. TLS-350 vertex run wir TLS-350 rator) were run wir TLS-350 rator) were run wir TLS-350	Unk ary tank walls a Yes Yes Yes thin one large s Yes	Unk and cannot be a Yes Yes Operation Yes steel pipe. The Yes Yes	Clean/Dry Unk Clean/Dry Clean/Dry Unk Clean/Dry Clean/Dry Clean/Dry Clean/Dry Clean/Dry Clean/Dry Clean/Dry Clean/Dry Clean/Dry	NT NT NT witch NT e pipe, which st NT NT	NT s not set a NT NT NT NT NT ays dry u NT	NT N	NT ol panel by p NT NT NT NT NT mall pipes le	NT pulling it li NT NT NT NT ak. NT ak. NT	None ke the prev	Unk Vous tw Unk 10	None o tanks. Product Product	NP NP NP	Fail Pass Pass	

	Panel	Panel	At Low	Wiring	Condition		\boldsymbol{L}	iquid Test	ing			F	lip Testin	\boldsymbol{g}	
Sensor Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	esult	Resp	Rec	Alarm	PSD	Result
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root ed oil/water aroun	TLS-350	No The sensor was	No not located in	Water	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
		1			1	NT	NT	NT	NIT	NT	4	2	D 1 4	X7	D.
Pump Sump The sump contain	Veeder-Root ned product.	TLS-350	Yes	Yes	Clean/Dry	NT	NT	IN I	NT	IN I	4	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-320	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water/Product	NT	NT	NT	NT	NT	10	5	Product	Yes	Pass
Sensor was sitting	g in 3-4 inches of v	water/product but	was not in alar	m. However,	sensor activated alarm wh	nen flipped.									
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	NA	NA	Clean/Dry	NT	NT	NT	NT	NT	5	3	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Unk	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Unk	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	NA	NA	Clean/Dry	NT	NT	NT	NT	NT	5	3	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Contractor mention	oned that this type	of sensors are con	nstantly cracking	ng and split ou	t in age(chronic problem)	. Maybe it's a d	esign pro	oblem.Even	when sense	ors are crac	cked, contra	ctor us	ually don't	replace t	hem.
Tank Interstice	Veeder-Root	Unk	No	Yes	Water	NT	NT	NT	NT	NT	4	4	Product	Yes	Pass
Interstitial space i	is full of water. Te	chnician could no	ot put back the s	sensor without	calling the maintenance t	to remove water	. Sensor	was not at l	owest poin	and wire	was wrappe	d up.			
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Sensor casing wa	as corroded and cra	acked. This is a c	hronic problem	with this mod	del. Even when cracked, c	ontractor does n	ot repla	ce them bec	ause they a	ll tend to b	e like that a	fter a v	vhile.		
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	Unk	No	Yes	Water	NT	NT	NT	NT	NT	4	4	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	NA	NA	Clean/Dry	NT	NT	NT	NT	NT	5	3	Product	NP	Pass
Tank Interstice	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	25	Unk	Product	NP	Pass
	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	Unk	Product	NP	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Testi	ing			F	lip Testin	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	2	2	Product	NP	Pass
Tank Interstice	Pneumeractor	LC-1000	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	2	2	Product	NP	Pass
Tank Interstice	Pneumeractor	LC-1000	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	2	2	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	2	2	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	2	2	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	N	T NT	5	Unk	Product	NP	Pass
Sensor was wet w	hen removed from	n tank interstice.	It is unknown l	now much liqu	id was in interstice.										
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Y	es Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	Unk	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	Unk	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	Unk	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	N.	A Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Y	es Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Y	es Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	N.	A Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	3	3	Product	N.	A Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	10	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	1	1	Both	NP	Pass
Γank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	2	Unk	Product	Yes	Pass
Γank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	T NT	2	2	Product	Yes	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		\boldsymbol{L}	iquid Test	ting			F	lip Testin	\boldsymbol{g}	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Tank Interstice	Veeder-Root	TLS-300	No	Yes	Clean/Dry	NT	NT	NT	N	IT NI	30	Unk	Product	NP	Pass
This sensor is for	steel tanks, and co	ould not be wrapp	ed around the I	FG tank. Loca	l agency instructed owner	to replace.									
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NI	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NI	1	1	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NT	5	5	Product	Yes	Pass
Tank Interstice Original sensor w	Veeder-Root as stuck in the int	TLS-350 erstice because of	Yes f rust on casing;	Yes sensor was re	Clean/Dry placed. New sensor passe	NT ed test.	NT	NT	N	IT NI	None	NA	Both	NP	Fail
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NT	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Y	es Pas	s NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Y	es Pas	s NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT N	5	5	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT N	5	5	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT N	2	Unk	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT N	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT N	5	5	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NI	5	5	Product	NP	Pass
Tank Interstice Steel sensor casin	Gilbarco g was split.	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NI	5	5	Product	NP	Pass
Tank Interstice Steel sensor casin	Gilbarco g was split.	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NI	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NT	2	2	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NT	3	3	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NI	1	1	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NI	3	3	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NT	5	5	Product	NP	Pass
Γank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NT	3	3	Product	NP	Pass
Tank Interstice Γhe sensor was m	Veeder-Root sissing the float. F	TLS-350 ollow up was mad	NA de with local ag	Yes ency and conf	Clean/Dry irmed that the technician i		NT sor. How	NT vever, inspe		IT NT			None	NP	Fail
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	N	IT NI	5	5	Product	NP	Pass

Sensor	Panel	Panel	At Low	Wiring	Condition		L	iquid Test	ting			F	lip Testinį	g	
Location	Make	Model	Point	OK	of Location	Resp	Rec	Alarm	PSD Re	esult	Resp	Rec	Alarm	PSD	Result
Tank Interstice Sensor housing (Veeder-Root steel bell) was split.	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Sensor Mode	1: 794390-460			Operati	ng Principle: Float Sv	witch									
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
Sensor Mode	l: 847990-001			Operati	ng Principle: Float S	witch									
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	5	Both	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	5	Both	Yes	Pass
UDC The sensor cuts j	Dispenser Cut-off power to dispensers.	Unk Dispenser had t	Yes to be manually	Yes reset to clear a	Clean/Dry alarm.	1	MR	Unk	NA	Pass	NT	NT	NT	NT	NT
UDC The sensor cuts p	Dispenser Cut-off power to dispensers.	Unk Dispenser had t	Yes to be manually	Yes reset to clear a	Clean/Dry alarm.	2	MR	Unk	NA	Pass	NT	NT	NT	NT	NT
UDC	Dispenser Cut-off	Unk	Yes	Yes	Clean/Dry	3	MR	Unk	NA	Pass	NT	NT	NT	NT	NT
The sensor cuts J	power to dispensers.	Dispenser had t	to be manually	reset to clear a	alarm.										
UDC The sensor cuts j	Dispenser Cut-off power to dispensers.	Unk Dispenser had t	Yes to be manually	Yes reset to clear a	Clean/Dry alarm.	2	MR	Unk	NA	Pass	NT	NT	NT	NT	NT

Sensor Make: Warrick Controls

Sensor Model:	: DLP-1-NC			Operatii	ng Principle: Flo	at Switch								
Pump Sump	Warrick	Unk	Yes	Yes	Water	NT	NT	NT	NT	NT	None NA	None	NP	Fail
Sensor was sitting	in water and not a	larmed. Contrac	ctor shook sens	sor and float mo	oved activating the ala	arm. Sensor pas	sed retest a	after 1-2 secon	d alarm re	sponse.				
Pump Sump	Warrick	Unk	Yes	Yes	Water	NT	NT	NT	NT	NT	Unk Unk	Both	NP	Pass

TABLE 3 - Field Data for Discriminating Sensors

	Lo	w Water T	Test			Hig	h Water T	est			Pr	oduct Tes	sting			i	Flip Testing	g	
Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Sens	sor N	Make: .	Alph	a wire															
Senso	or Mo	del	Ur	nk															
NT	NT	NT	NT	NT	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	60	60	Product	NP	Pass
NT	NT	NT	NT	NT	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	None	NA	None	NP	Fail
Sens	sor N	Make:	Emc	0															
Senso	or Mo	del	Q(0003-001															
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local a		_		riminating senso		-													
60		Water		Pass	60		Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
		_		riminating senso		-			_										
60	Unk	Water		Pass	60		Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
				riminating senso				**	D) ITE) IT	NE	NE	NE) ITT) IT) IT	NE	NET
		Water		Pass	60		Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	-	_		riminating senso		-		Va-	Daga	NT	NT	NT	NIT	NT	NT	NIT	NT	NIT	NT
		Water		Pass	60		Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
				riminating senso	ors to be tested	ш ргоа	ucı.												
Senso	or Mo	del	Q(0003-002															
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local a	agency (did not requ	ire discr	riminating senso	rs to be tested	in prod	uct.												
60	60	Water	NA	Pass	60	60	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local a	agency (did not requ	iire discr	riminating senso	ors to be tested	in prod	uct.												
60	60	Water	NA	Pass	60	60	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local a	agency	did not requ	ire discr	riminating senso	rs to be tested	in prod	uct.												
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local a	agency	did not requ	iire discr	riminating senso	rs to be tested	in prod	uct.												
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local a	agency	did not requ	ire discr	riminating senso	ors to be tested	in prod	uct.												
		Water		Pass	60		Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local a	agency	did not requ	iire discr	riminating senso	ors to be tested	in prod	uct.												
Sens	sor N	Make:	Inco	n															
Senso	or Mo	del	TS	SP-DIS															
4	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA

Alarm	PSD									oduct Tes							
ako.		Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
unc. 1	Malle	ory Contro	ols														
el	Po	llulert FD 221	GTRA														
Water	NA	Pass	NA	NA	NA	NA	NA	10	Dry	Product	NA	Pass	NA	NA	NA	NA	NA
	-								_			_					
			NA	NA	NA	NA	NA	10	Dry	Product	NA	Pass	NA	NA	NA	NA	NA
	-		NIA	NIA	NI A	NIA	NI A	10	Dev	Draduat	NIA	Dogg	NIA	NIA	NIA	NIA	NA
			NA	INA	INA	NA	NA	10	Diy	Product	INA	Pass	NA	INA	NA	INA	NA
	<u> </u>		1RRA														
				NA	NA	NA	NA	10	Dry	Product	NA	Pass	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA	10	Dry	Product	NA	Pass	NA	NA	NA	NA	NA
wiped dr	y to com	e out of alarm.															
Water	NA	Pass	NA	NA	NA	NA	NA	10	Dry	Product	NA	Pass	NA	NA	NA	NA	NA
wiped dr	y to com	e out of alarm.															
TV	NT	NT	NA	NA	NA	NA	NA	10	10	Product	Yes	Pass	NA	NA	NA	NA	NA
TV	NT	NT	NA	NA	NA	NA	NA	NA	NA	None	No	Fail	NA	NA	NA	NA	NA
test, but	the comp	oany is out of bus	iness.So, ow	ner mig	th have to c	hange the	e system. Inspe	ector gave the	owner	two weeks	to fix it	or replace It.					
TV	NT	NT	NA	NA	NA	NA	NA	20	10	Product	Yes	Pass	NA	NA	NA	NA	NA
ake: l	Red .	<i>Jacket</i>															
el	RE	2400-203															
Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
ake:	Veed	er-Root															
			2	5	Water	Unk	Pass	383	1030	Product	Unk	Pass	NA	NA	NA	NA	NA
Jnk	Unk	Unk	1	7	Water	Unk	Pass	395	962	Product	Unk	Pass	NA	NA	NA	NA	NA
el	79	4380-322															
	Water wiped dr NT NT etest, but NT Water Water Water Water Water Water Water Water Water Unk Unk Unk Unk Unk Unk Unk	wiped dry to com Water NA wiped dry to com NT NT NT NT NT NT Ake: Red Water NA W	wiped dry to come out of alarm. Water NA Pass wiped dry to come out of alarm. Water NA Pass wiped dry to come out of alarm. Pollulert MD 24 Water NA Pass wiped dry to come out of alarm. Water NA Pass wiped dry to come out of alarm. Water NA Pass wiped dry to come out of alarm. Water NA Pass wiped dry to come out of alarm. NT NT NT NT NT NT Potential test, but the company is out of business NT NT NT Pake: Red Jacket Pala RE400-203 Water NA Pass	wiped dry to come out of alarm. Water NA Pass NA wiped dry to come out of alarm. Water NA Pass NA wiped dry to come out of alarm. Pollulert MD 241RRA Water NA Pass NA wiped dry to come out of alarm. Water NA Pass NA wiped dry to come out of alarm. Water NA Pass NA wiped dry to come out of alarm. Water NA Pass NA wiped dry to come out of alarm. NT NT NT NT NA NT NT NT NA Past but the company is out of business.So, ow NT NT NT NT NA Pass NA Water NA Pass NA Wate	wiped dry to come out of alarm. Water NA Pass NA NA wiped dry to come out of alarm. Water NA Pass NA NA wiped dry to come out of alarm. Pollulert MD 241RRA Water NA Pass NA NA wiped dry to come out of alarm. Water NA Pass NA NA wiped dry to come out of alarm. Water NA Pass NA NA wiped dry to come out of alarm. Water NA Pass NA NA wiped dry to come out of alarm. NT NT NT NT NA NA NT NT NT NA NA Pastest, but the company is out of business.So, owner mig NT NT NT NA NA Pake: Red Jacket Place Red Jacket Place Red Pass NA NA Water NA Pass NA	wiped dry to come out of alarm. Water NA Pass NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA wiped dry to come out of alarm. Pollulert MD 241RRA Water NA Pass NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA wiped dry to come out of alarm. NT NT NT NA NA NA NA NT NT NT NT NA NA NA NA Water NA Pass NA NA NA Retest, but the company is out of business.So, owner might have to come. NT NT NT NT NA NA NA Water NA Pass NA NA NA NA NA Water NA Pass NA NA NA NA NA Water NA Pass NA	wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA wiped dry to come out of alarm. NT NT NT NT NA NA NA NA NA NT NT NT NT NA NA NA NA NA NA NA NA WATER AREA Jacket EL RE400-203 Water NA Pass NA NA NA NA NA Water NA Pass NA NA NA NA NA Water NA Pass NA NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA NA Water NA Pass NA	wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA Wiped dry to come out of alarm. NT NT NT NT NA NA NA NA NA NA NT NT NT NT NA NA NA NA NA NA NA NT NT NT NT NA Water Red Jacket El RE400-203 Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA Water NA Pass NA NA NA NA NA NA NA Water NA Pass NA	wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA NA 10 wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA NA 10 wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 wiped dry to come out of alarm. NT NT NT NT NA NA NA NA NA NA NA NA NA 10 WIT NT NT NT NA	wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 Dry wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA NA 10 Dry wiped dry to come out of alarm. Pollulert MD 241RRA Water NA Pass NA NA NA NA NA NA NA 10 Dry wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 Dry wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 Dry wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 Dry wiped dry to come out of alarm. Water NA Pass NA	wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 Dry Product wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 Dry Product wiped dry to come out of alarm. Pollulert MD 241RRA Water NA Pass NA NA NA NA NA NA NA 10 Dry Product wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA 10 Dry Product wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA 10 Dry Product wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA 10 Dry Product wiped dry to come out of alarm. Water NA Pass NA NA NA NA NA NA NA NA 10 Dry Product wiped dry to come out of alarm. Water NA Pass NA	Water NA Pass NA NA NA NA NA NA NA	wiped dry to come out of alarm. Water NA Pass NA	wiped dry to come out of alarm. Water NA Pass NA	wiped dry to come- out of alarm. Water NA Pass NA	Water NA Pass NA	wiped dry to come out of alarm. Valuer

	Lo	w Water T	Test			Hig	h Water T	est			Pro	oduct Tes	ting			ì	Flip Testin	g	
Resp	p Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
5	Unk	Water	NA	Pass	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Techr	nician flip	ped the ser	nsor, acti	vating both low ar	nd high wat	er alarm	s at the sam	e time.											
Sens	or Mo	del	79	4380-341															
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	5	1	Product	Yes	Pass	NA	NA	NA	NA	NA
				off as water - pum	•		· ·		, 1										
10	10	Water	Yes	Pass	NA	NA	NA	NA	NA	10	10	Water		Fail	NA	NA	NA	NA	NA
				· ·	, , ,	-			,					leaning sensor did			27.4	27.4	27.4
10 T. 1	10	Water	Yes	Pass	NA	NA	NA	NA	NA	10	10	Water	Yes	Fail	NA	NA	NA	NA	NA
1ecnr	nician nac	Water	ne sensor Yes	Pass	etely (espec NA	NA	ine smaii wi NA	ndow at : NA	NA	10	coula be	Water		leaning sensor did Fail	NA	NA	NA	NA	NIA
														leaning sensor did			INA	INA	INA
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	NA	NA	None None	Unk	Fail	NA	NA	NA	NA	NA
	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA NA	2	2	Product		Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	2570	4240	Product	Unk	Pass	NA	NA	NA	NA	NA
	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	5	5	Product	Unk	Pass	NA	NA	NA	NA	NA
3	3	Water	Yes	Pass	NA	NA	NA	NA	NA	3	3	Product	Yes	Pass	NA	NA	NA	NA	NA
12	1	Water	NA	Pass	NA	0	NA	NA	NA	13	Unk	Water	No	Fail	NA	NA	NA	NA	NA
						-						water	INO	ran	INA	INA	INA	INA	INA
NT	NT	NT	л ргоцис NT	t test. After testin NT	ig the senso	1	Water	Yes	Pass	5 s	1	Product	Yes	Pass	NA	NA	NA	NA	NA
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	5	1	Product	Yes	Pass	NA	NA	NA	NA	NA
NT	NT	NT	NT	NT	NA	NA	NA	NA	NA	Unk	Unk	None	No	Fail	NA	NA	NA	NA	NA
		same type			11/1	1 1/2 1	1171	1471	1421	Olik	Olik	TTOILE	110	1 411	1471	11/1	1471	11/11	1471
3	2	Both		Pass	NA	NA	NA	NA	NA	3	2	Both	Yes	Pass	NA	NA	NA	NA	NA
Senso	or had bee			ive the same alarm				. =		-							•		•
3	2	Both	_	Pass	NA	NA	NA	NA	NA	3	2	Both	Yes	Pass	NA	NA	NA	NA	NA
Senso	r had bee	n program	med to g	ive the same alarm	n in water a	nd produ	ıct.												
3	2	Both	Yes	Pass	NA	NA	NA	NA	NA	3	2	Both	Yes	Pass	NA	NA	NA	NA	NA
Senso	r had bee	n program	med to g	ive the same alarm	n in water a	nd produ	ıct.												
3	3	Water	Yes	Pass	NA	NA	NA	NA	NA	3	3	Water	Yes	Fail	NA	NA	NA	NA	NA
Detec	ted produ	ict as water	r. Since	pump shuts down	for product	or wate	r, Local Age	ency did	not require sens	or to be cha	nged. O	wner will i	replace	sensor or re-progra	am as non-	discrimi	inating.		
12	1	Water	NA	Pass	NA	0	NA	NA	NA	13	Unk	Product	Yes	Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	2	2	Product	Unk	Pass	NA	NA	NA	NA	NA
12	1	Water	NA	Pass	NA	0	NA	NA	NA	12	Unk	Water	No	Fail	NA	NA	NA	NA	NA
Senso	or sets wat	ter alarm fo	or produc	t test. After testin	ng, sensor w	as repla	ced and the	new sens	sor was setting t	he right alaı	m.								
NT	NT	NT	NT	NT	NA	0	NA	NA	NA	13	Unk	Water	NA	Fail	NA	NA	NA	NA	NA

	Lo	w Water T	Test			Hig	h Water T	est			Pro	oduct Tes	ting			i	Flip Testin	g	
Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	NA	NA	None	Unk	Fail	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	3	10	Water	Unk	Pass	358	2450	Product	Unk	Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	4	10	Product	Unk	Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	417	1055	Product	Unk	Pass	NA	NA	NA	NA	NA
3	3	Water	Yes	Pass	NA	NA	NA	NA	NA	3	3	Water	Yes	Fail	NA	NA	NA	NA	NA
				pump shuts down f														INA	IVA
	or Mo			4380-350	or product	or wate	i, Local rige	ney ara	not require sen	isor to be ena	iigeu. O	wher will i	ершее .	sensor or reprogra	in us non c	insermini	iluting.		
Sens					_	_			_										
5	5	Water	NA	Pass	5	. 5	Water	Yes	Pass	360	465	Product	Yes	Pass	NA	NA	NA	NA	NA
Techn				for 2min & 45sec.							•	-	**	D.	27.4	27.4	27.4	27.4	27.4
1	1	Water	NA	Pass	5	5	Water	Yes	Pass	360		Product	Yes	Pass	NA	NA	NA	NA	NA
Techn			•	for 2min & 45sec.				•		-	-	•		_					
2	2	Water	NA	Pass	2	2	Water	Yes	Pass	300	480	Product	Yes	Pass	NA	NA	NA	NA	NA
2	2	Water	NA	Pass	2	Unk	Water	Yes	Pass	480	Non	Product	Yes	Fail	NA	NA	NA	NA	NA
Sensor	did not	come out o	of alarm a	after being tested in	product, s	so techn	ician replace	ed it.											
2	2	Water	NA	Pass	None	Non	None	No	Fail	none	Unk	None	No	Fail	NA	NA	NA	NA	NA
Sensor	did not	respond du	ıring hig	h water or product	testing. Te	echnicia	n suspected	wiring p	roblem, since s	sensor was rep	olaced b	ut test resu	lts did n	ot change.					
2	2	Water	NA	Pass	2	2	Water	Yes	Pass	180	NA	Product	Yes	Pass	NA	NA	NA	NA	NA
2	2	Water	NA	Pass	2	2	Water	No	Fail	Unk	Unk	Product	No	Fail	NA	NA	NA	NA	NA
Techn	ician sus	spected a pr	oblem w	ith the wiring at thi	is site.														
5	5	Water	NA	Pass	5	5	Water	NA	Pass	480	300	Product	Yes	Pass	NA	NA	NA	NA	NA
Techn	ician lef	t sensor in	product f	or 2min & 45sec.	He rinsed t	he sense	or with soap	y water a	ıfter alarm acti	vated to speed	d up rec	overy time.							
1	1	Water	NA	Pass	5	5	Water	Yes	Pass	330	600	Product	Yes	Pass	NA	NA	NA	NA	NA
Techn	ician lef	t sensor in	product f	or 2min & 45sec.	He rinsed t	he sense	or with soap	y water a	ıfter alarm acti	vated to speed	d up rec	overy time.							
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	300	600	Product	Yes	Pass	NA	NA	NA	NA	NA
Sensor	s were l	left in fuel f	for 3 min	utes. They alarm 2	-5 minutes	after be	ing pulled f	rom fuel	. This speeds i	up recovery ti	me.								
5	5	Water	NA	Pass	5	5	Water	Yes	Pass	300	360	Product	Yes	Pass	NA	NA	NA	NA	NA
Techn	ician lef	t sensor in	product f	for 2min & 45sec.	He rinsed t	he sense	or with soap	y water a	ıfter alarm acti	vated to speed	d up rec	overy time.							
5	5	Water	NA	Pass	5	5	Water	Yes	Pass	330	420	Product	Yes	Pass	NA	NA	NA	NA	NA
Techn	ician lef	t sensor in	product f	or 2min & 45sec.	He rinsed t	he sense	or with soap	y water a	ıfter alarm acti	vated to speed	d up rec	overy time.							
5	5	Water	NA	Pass	5	5	Water	NA	Pass	300	540	Product	Yes	Pass	NA	NA	NA	NA	NA
Techn	ician lef	t sensor in	product f	for 2min & 45sec.	He rinsed t	he sense	or with soap	y water a	ıfter alarm acti	vated to speed	d up rec	overy time.							
5	5	Water	NA	Pass	5	5	Water	NA	Pass	720	360	Product	Yes	Pass	NA	NA	NA	NA	NA
Techn	ician lef	t sensor in	product f	for 2min & 45sec.	He rinsed t	he sense	or with soap	y water a	ıfter alarm acti	vated to speed	d up rec	overy time.							
5	5	Water	NA	Pass	5	5	Water	NA	Pass	360	1500	Product	Yes	Pass	NA	NA	NA	NA	NA
Techn	ician lef	t sensor in	product f	for 2min & 45sec.	He rinsed t	he sense	or with soap	y water a	ıfter alarm acti	vated to speed	d up rec	overy time.							
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	420	720	Product	Yes	Pass	NA	NA	NA	NA	NA
Sensor	s were l	left in fuel f	for 3 min	utes. They alarm 2	-5 minutes	after be	ing pulled f	rom fuel	. This speeds i	up recovery ti	me.								

	Lov	v Water T	est			Hig	h Water T	est			Pr	oduct Tes	ting			1	Tlip Testing	g	
Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
1	1	Water	NA	Pass	5	5	Water	Yes	Pass	300	540	Product	Yes	Pass	NA	NA	NA	NA	NA
Techni	cian left	sensor in p	roduct f	or 2min & 45sec	. He rinsed th	ne senso	or with soap	y water a	fter alarm acti	vated to spee	d up rec	overy time.							
7	1	Water	NA	Pass	3	1	Water	Yes	Pass	360	720	Product	Yes	Pass	NA	NA	NA	NA	NA
For pro	oduct tes	*	as left in	fuel for 3 minut	tes.														
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	360	900	Product	Yes	Pass	NA	NA	NA	NA	NA
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	360	900	Product	Yes	Pass	NA	NA	NA	NA	NA
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	360	900	Product	Yes	Pass	NA	NA	NA	NA	NA
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	840	Unk	Product	Yes	Pass	NA	NA	NA	NA	NA
Takes	longer fo	or this sense	or to alaı	m because often	left sitting in	water.													
7	1	Water	NA	Pass	5	1	Water	Yes	Pass	300	300	Product	Yes	Pass	NA	NA	NA	NA	NA
For pro	oduct tes	t, sensor w	as left in	fuel for 3 minut	tes.														
7	1	Water	NA	Pass	4	1	Water	Yes	Pass	360	590	Product	Yes	Pass	NA	NA	NA	NA	NA
1		′		fuel for 3 minut															
	1	Water	NA	Pass	5	1	Water	Yes	Pass	360	660	Product	Yes	Pass	NA	NA	NA	NA	NA
1		'		fuel for 3 minut															
Unk	Unk	Unk	Unk	Unk	4	5	Water	Unk	Pass	238	3531	Product	Unk	Pass	NA	NA	NA	NA	NA
7	1	Water	NA	Pass	6	1	Water	Yes	Pass	360	1020	Product	Yes	Pass	NA	NA	NA	NA	NA
For pro	oduct tes	t, sensor w	as left in	fuel for 3 minut	tes.														
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	300	600	Product	Yes	Pass	NA	NA	NA	NA	NA
Sensor	s were le	eft in fuel f	or 3 min	utes. They alarn	n 2-5 minutes	after be	ing pulled f	rom fuel.	This speeds	up recovery t	ime.								
Unk	Unk	Unk	Unk	Unk	2	10	Water	Unk	Pass	365	1100	Product	Unk	Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	4	7	Water	Unk	Pass	357	890	Product	Unk	Pass	NA	NA	NA	NA	NA
2	2	Water	NA	Pass	2	2	Water	No	Fail	Unk	Unk	Product	No	Fail	NA	NA	NA	NA	NA
Sensor	alarmed	, but failed	PSD. P	roblem with the	relay is suspe	cted.													
Unk	Unk	Unk	Unk	Unk	3	9	Water	Unk	Pass	206	1390	Product	Unk	Pass	NA	NA	NA	NA	NA
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	300	600	Product	Yes	Pass	NA	NA	NA	NA	NA
				utes. They alarn														•	
5	5	Water	NA	Pass	5	5	Water	NA	Pass	420	420	Product	Yes	Pass	NA	NA	NA	NA	NA
Techni	cian left	sensor in p	roduct f	or 2min & 45sec	. He rinsed th	ne senso	or with soap	y water a	fter alarm acti	vated to spee	d up rec	overy time.							
Unk		Unk		Unk	5	10	Water	Unk	Pass	318	-	Product		Pass	NA	NA	NA	NA	NA
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	420	720	Product	Yes	Pass	NA	NA	NA	NA	NA
				utes. They alarn	=												•		•
	1	Water	NA	Pass	6	1	Water	Yes	Pass	300	483	Product	Yes	Pass	NA	NA	NA	NA	NA
For pro	oduct tes	t, sensor w	as left in	fuel for 3 minut	tes.														
Unk		Unk		Unk	4	9	Water	Unk	Pass	3009	6120	Product	Unk	Pass	NA	NA	NA	NA	NA
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	300	600	Product	Yes	Pass	NA	NA	NA	NA	NA
				utes. They alarn	=							1100000	1 03	1 433	1 1/1 1	1 1/1 1	14/1	11/1	1 11 1

	Lo	w Water T	Test			Hig	h Water T	est			Pr	oduct Tes	ting			1	Flip Testin	g	
Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Senso	or Moo	del	79	4380-352															
3	1	Both	Yes	Pass	3	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sensor	s were to	ested as a n	on-discr	iminating float	sensor.														
6	1	Both		Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sensor	s were to	ested as a n	on-discr	iminating float	sensor.														
NT	NT	NT	NT	NT	5	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
These	sensors	were locate	ed in the	fill sump, in the	overfill bucke	t.													
NT	NT	NT	NT	NT	1	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
		were locate	ed in the	fill sump, in the	overfill bucke	t.													
NT	NT	NT	NT	NT	5	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
				fill sump, in the															
3	1	Both	Yes	Pass	3	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
10	5	Water	NA	Pass	10	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Flip te	st activa	ted both lo	w and hi	gh liquid alarms	s. Technician	did not	test the sense	or in pro	duct.										
10	5	Water	NA	Pass	10	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Flip te	st activa	ted both lo	w and hi	gh liquid alarms	s. Technician	did not	test the sense	or in pro	duct.										
10	5	Water	NA	Pass	10	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Flip te	st activa	ted both lo	w and hi	gh liquid alarms	s. Technician	did not	test the sense	or in pro	duct.										
15	5	Water	NA	Pass	15	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Flip te	st activa	ted both lo	w and hi	gh liquid alarms				or in pro	duct. Water in	sump was no	ot high e	enough to a	ctivate t	he alarm.					
5	Unk	Water	NA		5		Water	Unk	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local a				nating sensors in	•		-												
5	Unk	Water	NA	Pass	5		Water	Unk	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
				nating sensors in	•		-						N TOTAL			> 17P		> 17T	
	Unk	None	No	Fail	3	1 .	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT		NT
Sensor functin		oat did not	activate	(would not rese	et). Sensor was	replace	d by the ow	ner with	out informing t	the local agne	cy nor t	he contract	tor who	does the routin	e inspection.	Apparen	itly, they did	not rete	st sensor's
Unk	Unk	Unk	Unk	Unk	10	17	Water	Unk	Pass	425	2435	Product	Unk	Pass	NT	NT	NT	NT	NT
Cleane	d in Col	eman Fuel																	
Unk	Unk	Unk	Unk	Unk	8	16	Water	Unk	Pass	446	1548	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	12	18	Water	Unk	Pass	468	960	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	4	10	Water	Unk	Pass	452	960	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	11	Water	Unk	Pass	NA	NA	Water	Unk	Fail	NT	NT	NT	NT	NT
	Unk	Unk	Unk	Unk	NT	NT	NT	NT	NT	543	570	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	10	18	Water	Unk	Pass	275	2595	Product	Unk	Pass	NT	NT	NT	NT	NT
		eman Fuel		·	10			C.111	- 400	-15	_3,3		CIII	- 400			- 1 -		- 1 -

	Lov	v Water T	Test			Hig	h Water T	est			Pro	oduct Tes	ting			1	Flip Testing	g	
Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
6	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sensor	s were to	ested as a n	on-discri	minating float ser	isor.														
Unk	Unk	Unk	Unk	Unk	7	13	Water	Unk	Pass	425	1413	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	16	Water	Unk	Pass	435	2040	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	9	22	Water	Unk	Pass	530	2040	Product	Unk	Pass	NT	NT	NT	NT	NT
		eman Fuel.																	
		Unk	Unk	Unk	4	14	Water	Unk	Pass	355	1640	Product	Unk	Pass	NT	NT	NT	NT	NT
	u in Coi Unk	eman Fuel. Unk	Unk	Unk	5	13	Water	Unk	Pass	414	1240	Product	Unk	Pass	NT	NT	NT	NT	NT
	Unk	Unk	Unk	Unk	5	12	Water	Unk	Pass	379	1143	Product	Unk	Pass	NT	NT	NT	NT	NT
-	Unk	Unk	Unk	Unk	6	16	Water	Unk	Pass	429	1166	Product	Unk	Pass	NT	NT	NT	NT	NT
	Unk	Unk	Unk	Unk	8	21	Water	Unk	Pass	422	1320	Product	Unk	Pass	NT	NT	NT	NT	NT
	Unk	Unk	Unk	Unk	5	12	Water	Unk	Pass	425	1271	Product	Unk	Pass	NT	NT	NT	NT	NT
	Unk	Unk	Unk	Unk	4	9	Water	Unk	Pass	483	1229	Product	Unk	Pass	NT	NT	NT	NT	NT
	Unk	Unk	Unk	Unk	7	13	Water	Unk	Pass	299	573	Product	Unk	Pass	NT	NT	NT	NT	NT
	Unk	Unk	Unk	Unk	4	13	Water	Unk	Pass	318	481	Product	Unk	Pass	NT	NT	NT	NT	NT
	Unk	Unk	Unk	Unk	4	11	Water	Unk	Pass	397	690	Product	Unk	Pass	NT	NT	NT	NT	NT
	Unk	Unk	Unk	Unk	6	10	Water	Unk	Pass	489	1190	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	5	11	Water	Unk	Pass	539	1631	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	4	9	Water	Unk	Pass	474	1299	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	9	15	Water	Unk	Pass	495	1256	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	14	Water	Unk	Pass	Unk	813	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	16	Water	Unk	Pass	335	2010	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	2	12	Water	Unk	Pass	470	1078	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	4	11	Water	Unk	Pass	350	3499	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	5	10	Water	Unk	Pass	459	1769	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	14	Water	Unk	Pass	462	2206	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	5	11	Water	Unk	Pass	453	930	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	13	Water	Unk	Pass	440	1140	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	8	19	Water	Unk	Pass	420	1851	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	5	13	Water	Unk	Pass	540	1760	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	9	11	Water	Unk	Pass	360	1500	Product	Unk	Pass	NT	NT	NT	NT	NT

Low Water Test					High Water Test						Product Testing					Flip Testing					
Res	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result		
Unk	Unk	Unk	Unk	Unk	8	21	Water	Unk	Pass	354	1807	Product	Unk	Pass	NT	NT	NT	NT	NT		
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	5	5	Water	Yes	Pass		
Senso	r was pr	ogrammed	for PSD	on high-liquid o	nly, not produ	ict. Tec	hnician re-p	rogramm	ed for PSD on	low, high, a	nd produ	ict.									
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	3	5	Water	Yes	Pass		
Senso	r was pr	ogrammed	for PSD	on high-liquid o	nly, not produ	ict. Tec	hnician re-p	rogramm	ed for PSD on	low, high, an	nd produ	ict.									
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	3	5	Water	Yes	Pass		
	_	-		on high-liquid o	-		_	-		_	-										
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	5	5	Water	Yes	Pass		
	•	-		on high-liquid or			-	-			•		N. T.		_	** •	***	3.7D			
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	5	Unk	Water	NP	Pass		
10	2	Water	NA	Pass	2	2	Water	Yes	Pass	260	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT		
U		for "high va	1		_	_	***	••							_	** .	***				
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	5	Unk	Water	NP	Pass		
3	3	Water	NA	Pass	2	2	Water	Yes	Pass	240	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT		
Progr		_		e". Sensor interr	-			arm whe	Č					0	ttaches to sen						
Unk	Unk	Unk	Unk	Unk	5	14	Water	Unk	Pass	730	1276	Product	Unk	Pass	NT	NT	NT	NT	NT		
Unk	Unk	Unk	Unk	Unk	13	21	Water	Unk	Pass	480	600	Product	Unk	Pass	NT	NT	NT	NT	NT		
NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Wirin	g malfur	nctioning.																			
NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Wirin	g malfur	nctioning.																			
NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
NT	NT	NT	NT	NT	60	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
NT	NT	NT	NT	NT	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
		ys that had			. 17.1	. 12 1						- 1.	- , -			.,.	- 1.		- 1 -		
NT	NT	NT	NT	NT	10	5	Water	Yes	Pass	NT	NT	NT	NT	NT	5	Unk	Water	NP	Pass		
Unk	Unk	Unk	Unk	Unk	10	24	Water	Unk	Pass	520	1769	Product	Unk	Pass	NT	NT	NT	NT	NT		
	NT	NT	NT	NT	NT										-						
NT Had 2		N I ays that had			IN I	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Unk	Unk	Unk		eu. Unk	13	24	Water	Unk	Pass	420	1978	Product	Unk	Pass	NT	NT	NT	NT	NT		
Unk	Unk	Unk	Unk	Unk	18	25	Water	Unk	Pass	385	1470	Product	Unk	Pass	NT	NT	NT	NT	NT		
T T 1-	Unk	Unk	Unk	Unk	12	25	Water	Unk	Pass	412	1920	Product	Unk	Pass	NT	NT	NT	NT	NT		
Unk		Unk	Unk	Unk	12	25	Water	Unk	Pass	400	1695	Product	Unk	Pass	NT	NT	NT	NT	NT		
Unk	Unk	Ulik																			
	Unk Unk	Unk	Unk	Unk	15	28	Water	Unk	Pass	335	2281	Product	Unk	Pass	NT	NT	NT	NT	NT		

	Low Water Test					High Water Test					Product Testing					Flip Testing					
Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result		
Unk	Unk	Unk	Unk	Unk	16	30	Water	Unk	Pass	Unk	Unk	Product	Unk	Pass	NT	NT	NT	NT	NT		
Emerg	Emergency shut-off activated during testing, so no data was available.																				
Unk	Unk	Unk	Unk	Unk	8	19	Water	Unk	Pass	420	1625	Product	Unk	Pass	NT	NT	NT	NT	NT		
Unk	Unk	Unk	Unk	Unk	9	19	Water	Unk	Pass	NA	NA	None	Unk	Fail	NT	NT	NT	NT	NT		
Unk	Unk	Unk	Unk	Unk	6	15	Water	Unk	Pass	600	2120	Product	Unk	Pass	NT	NT	NT	NT	NT		
Unk	Unk	Unk	Unk	Unk	10	18	Water	Unk	Pass	600	2120	Product	Unk	Pass	NT	NT	NT	NT	NT		
15	Unk	Water	NA	Pass	5	Unk	Water	Yes	Pass	300	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT		
15	Unk	Water	NA	Pass	6	Unk	Water	Yes	Pass	390	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT		
15	2	Water	NA	Pass	15	3	Water	Yes	Pass	270	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT		
2	2	Product	Yes	Pass	2	2	Product	Yes	Pass	3	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT		
Progra	Programmed for "high vapor mode". Sensor was saturated with product vapors, so any liquid moving low or high float registrered as a product alarm.																				
Unk	Unk	Unk	Unk	Unk	16	41	Water	Unk	Pass	450	1559	Product	Unk	Pass	NT	NT	NT	NT	NT		